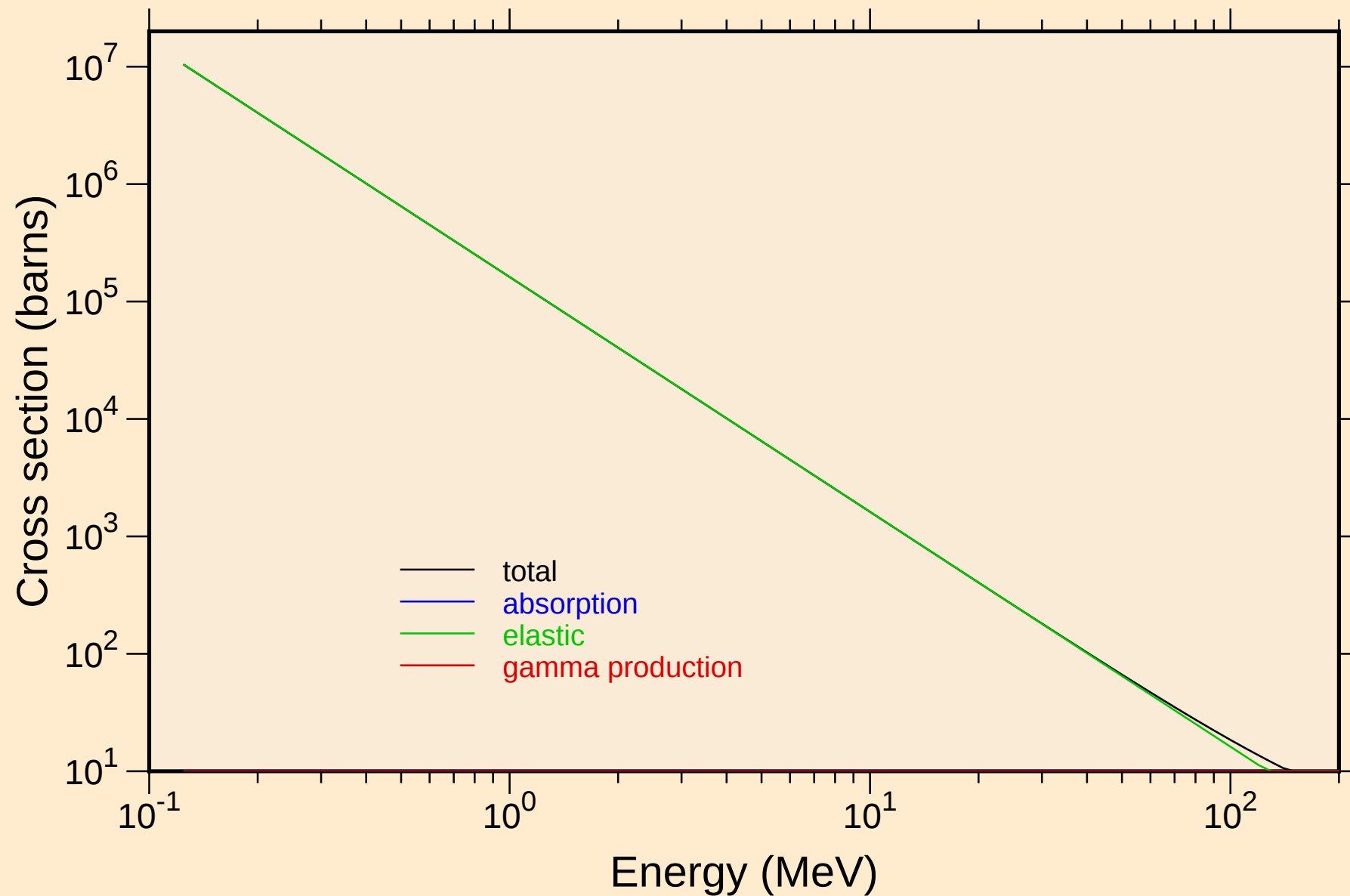


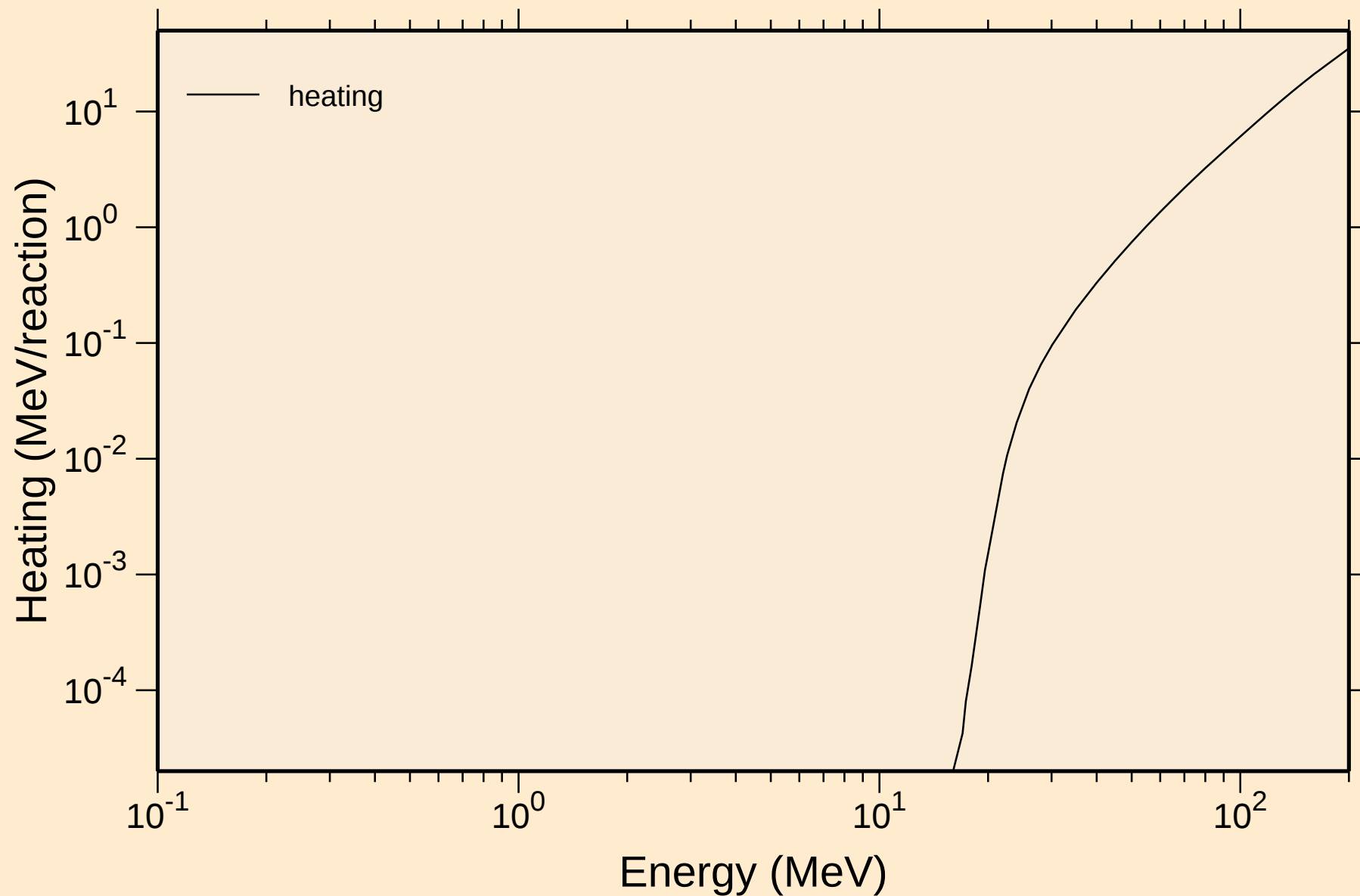
# HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



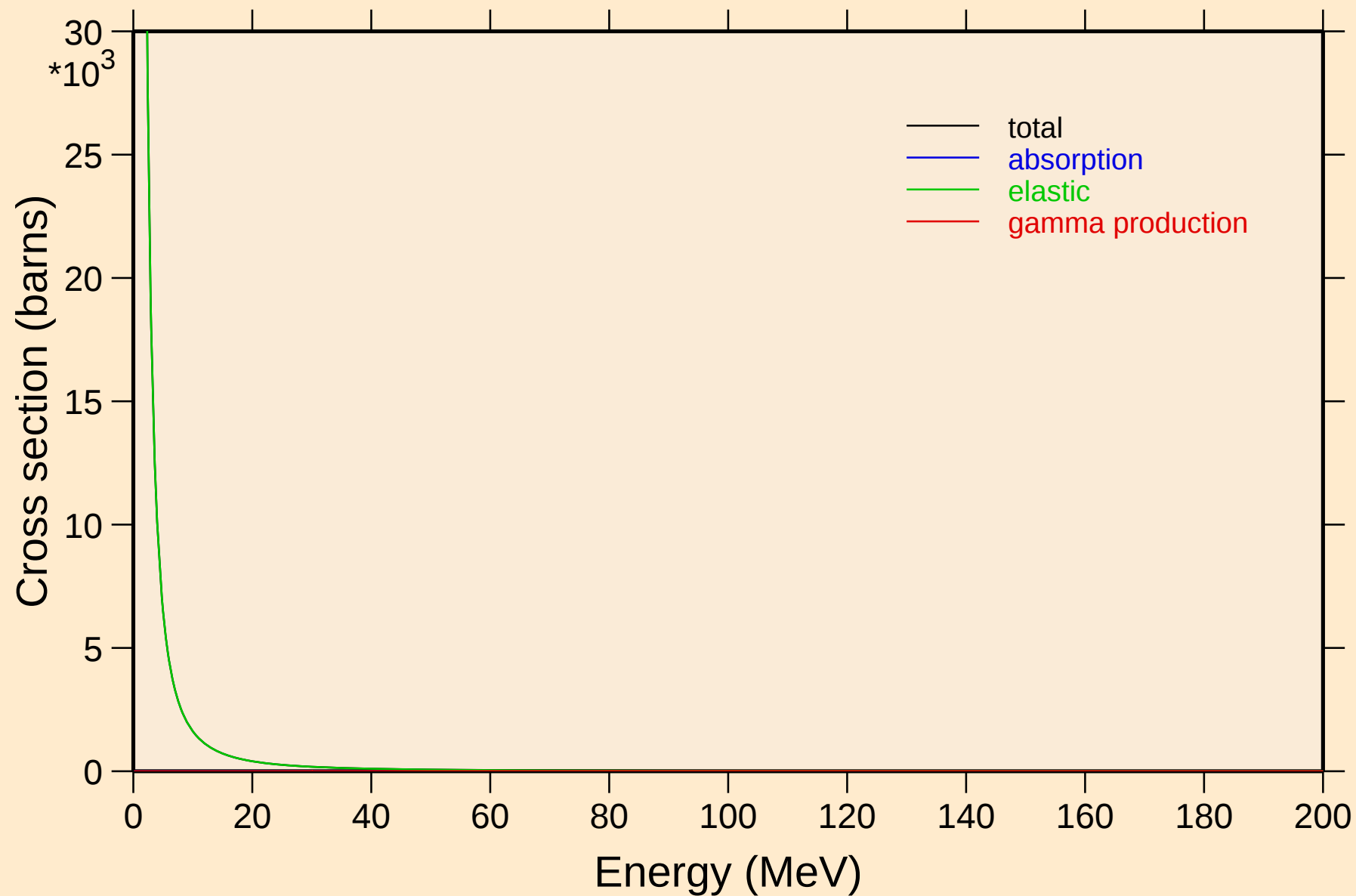
# HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



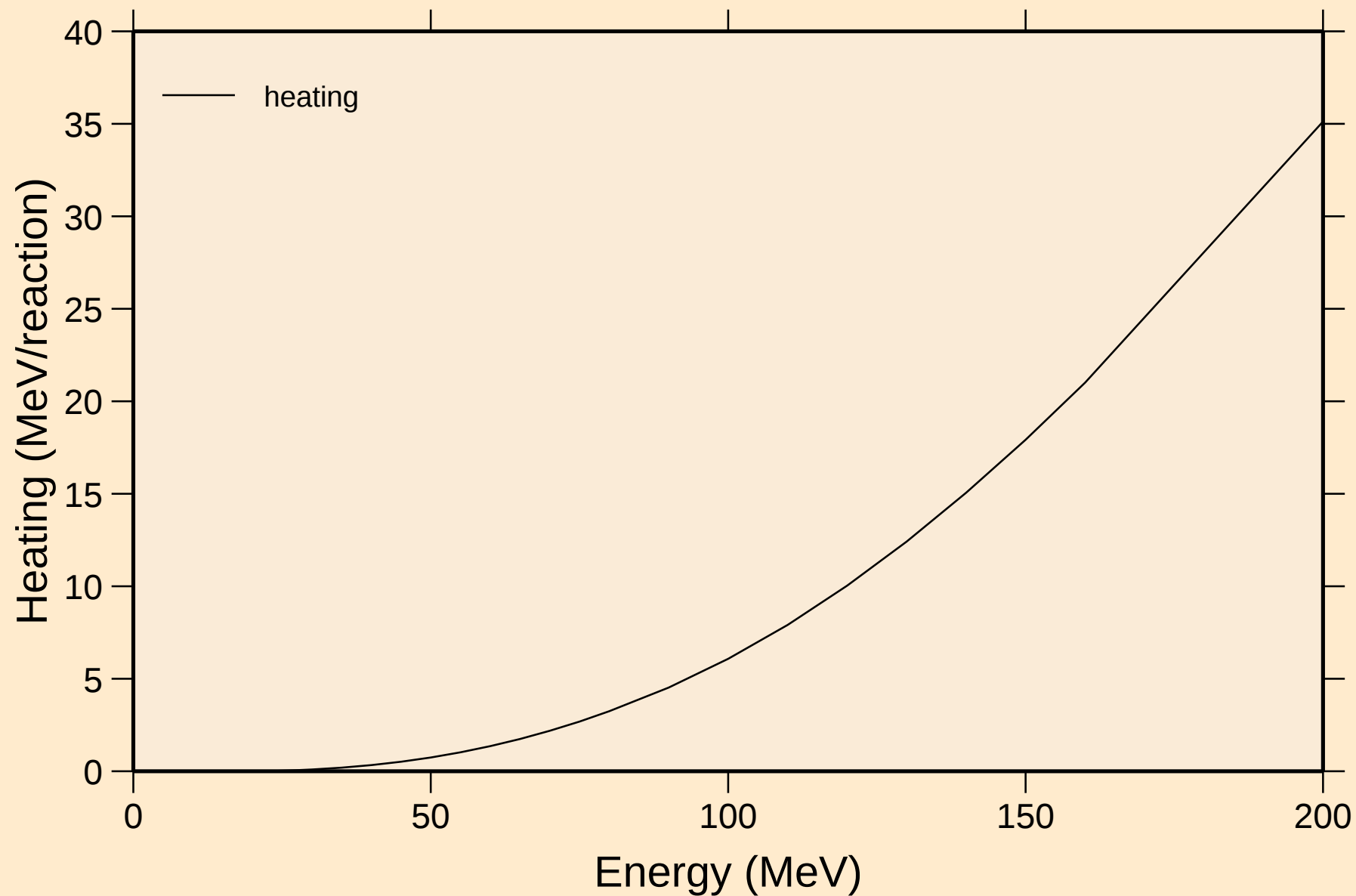
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## Principal cross sections



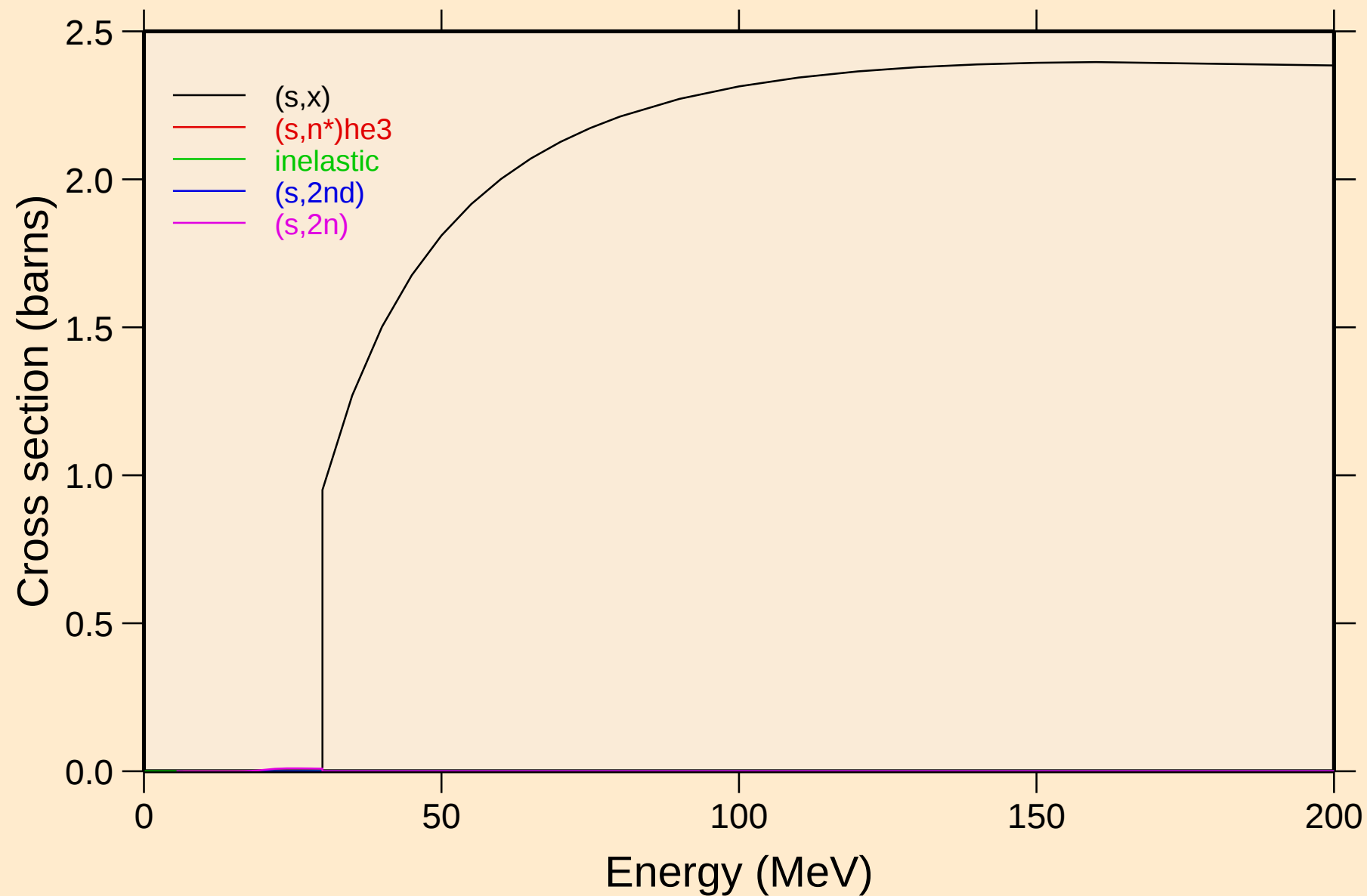
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



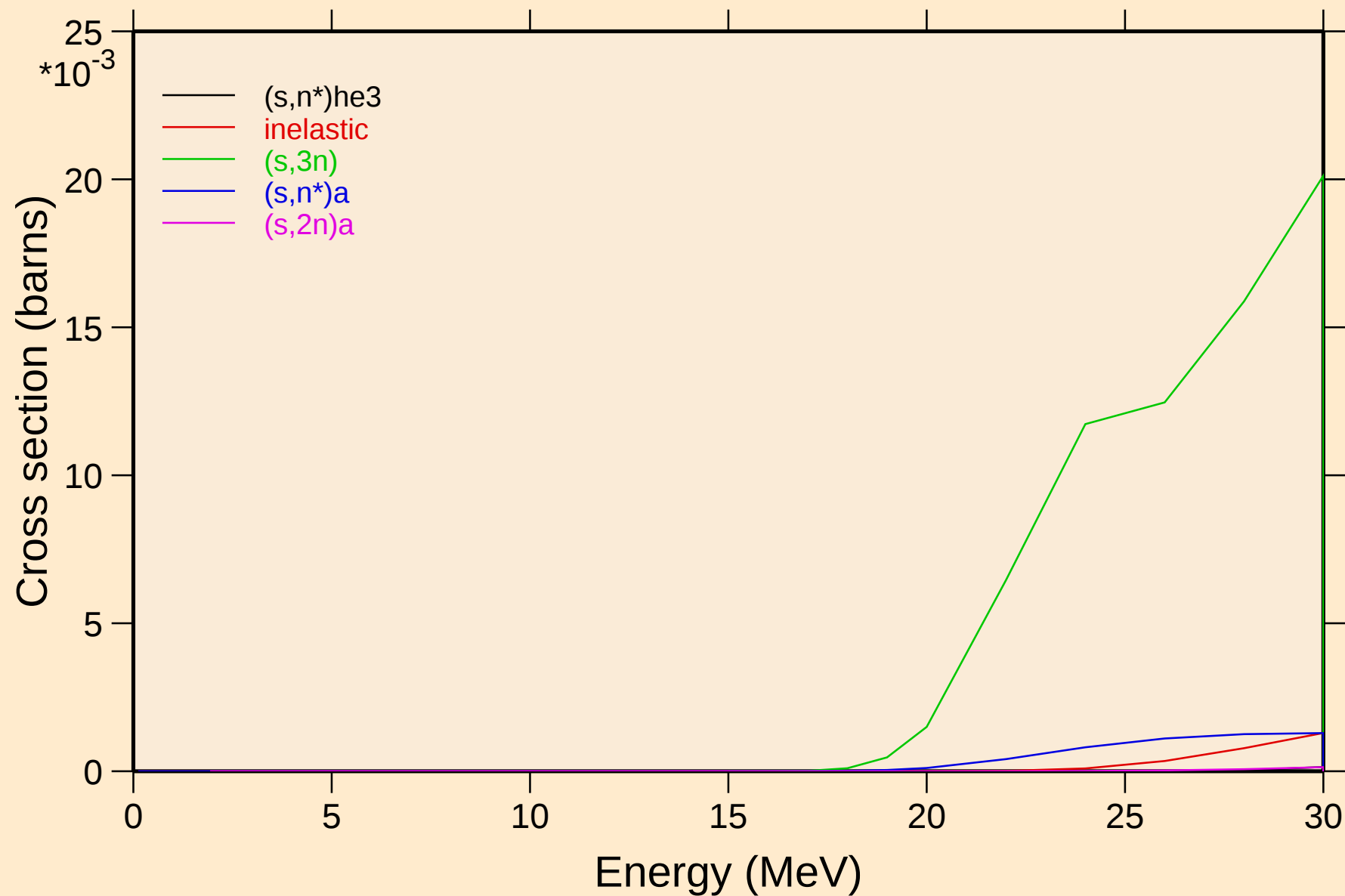
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## Threshold reactions



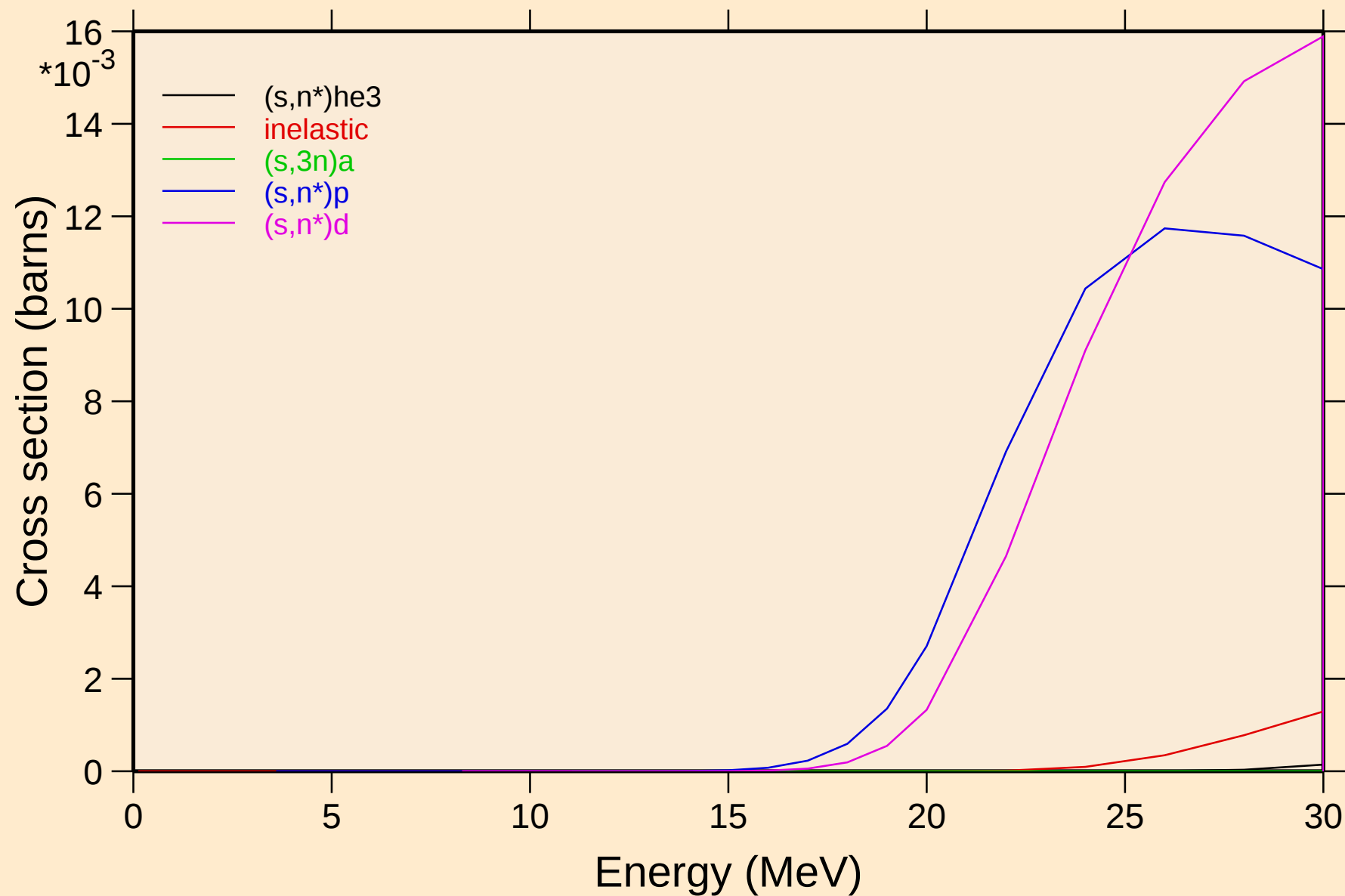
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## Threshold reactions



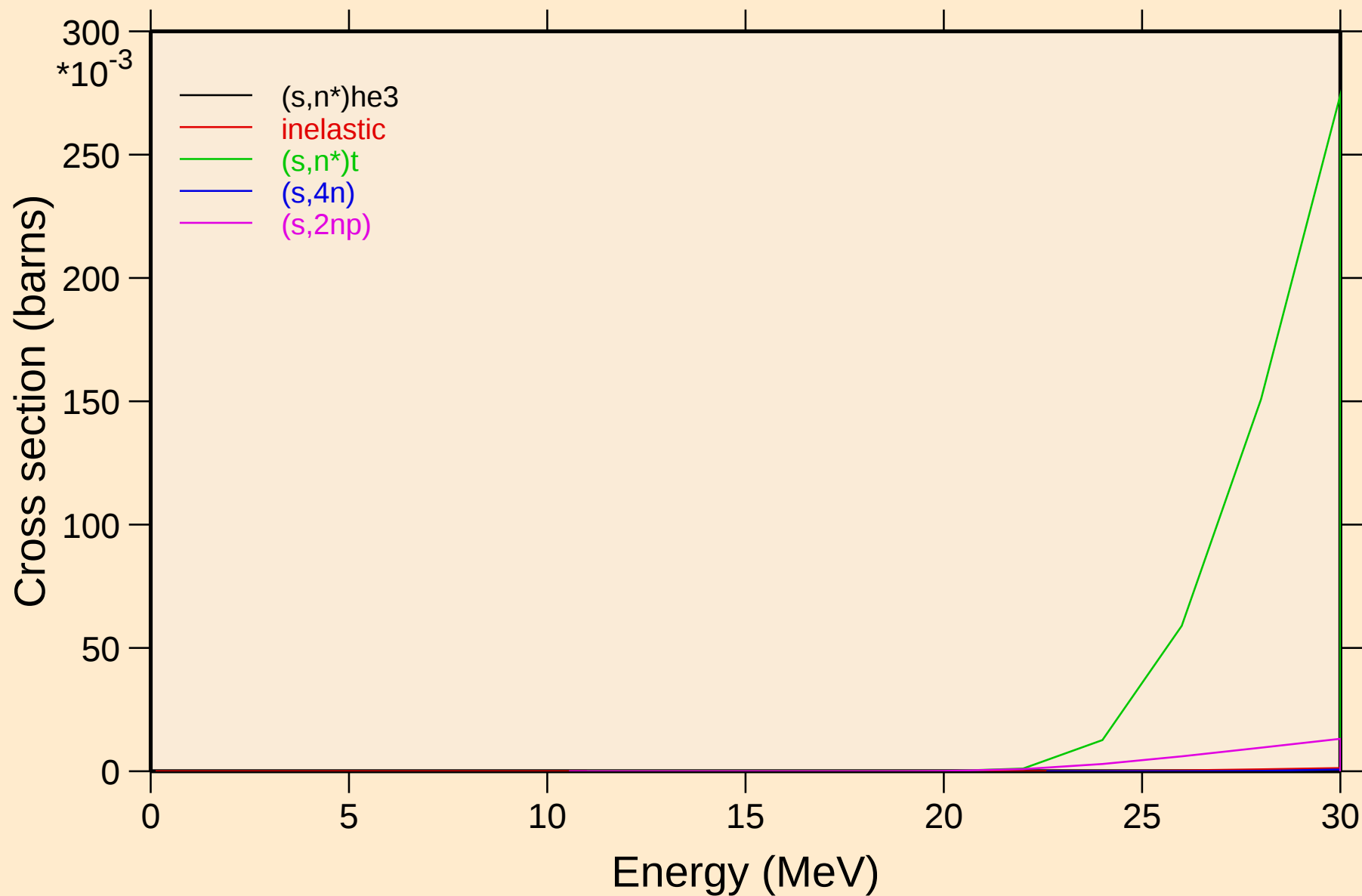
# HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



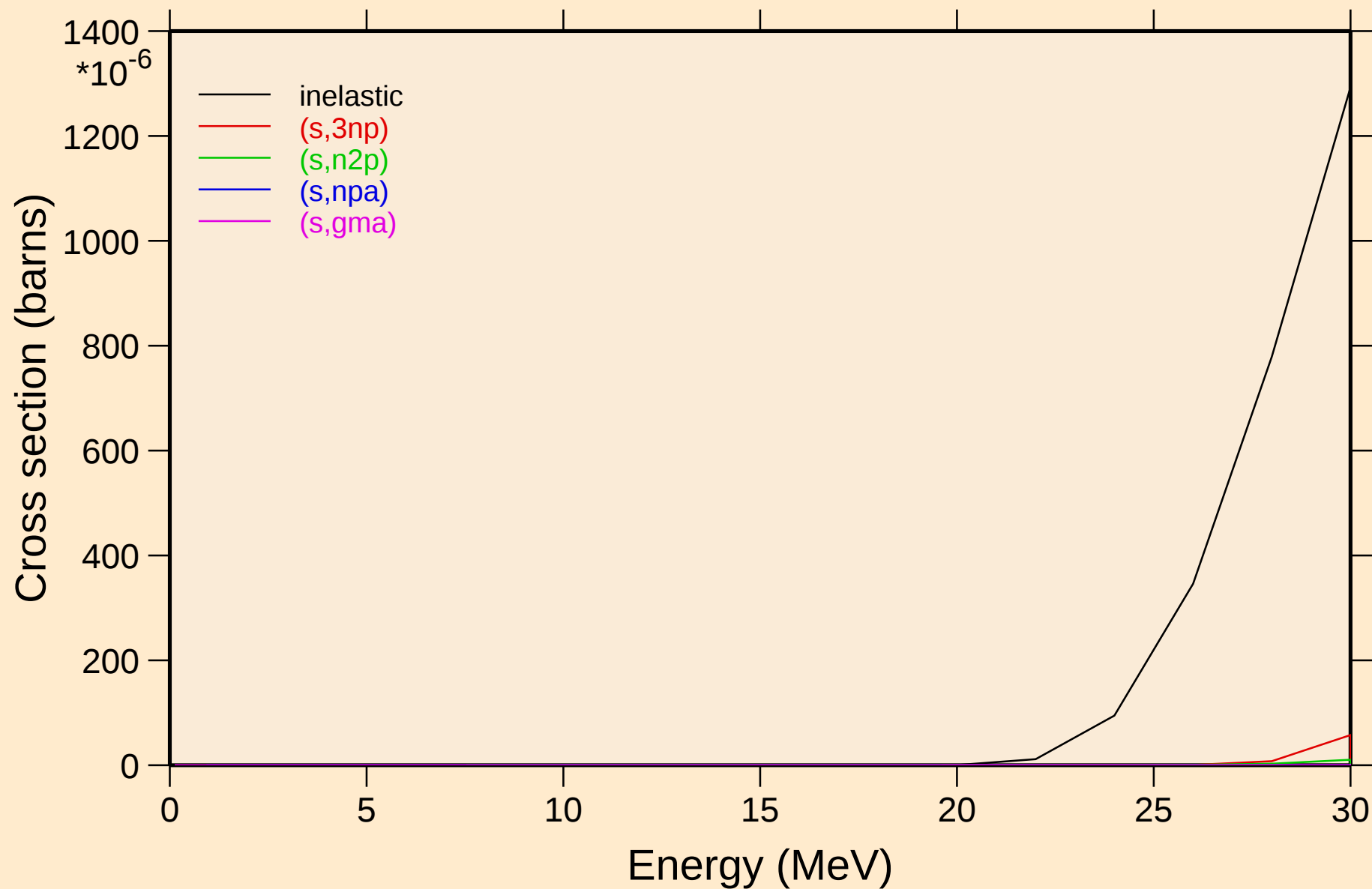
# HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



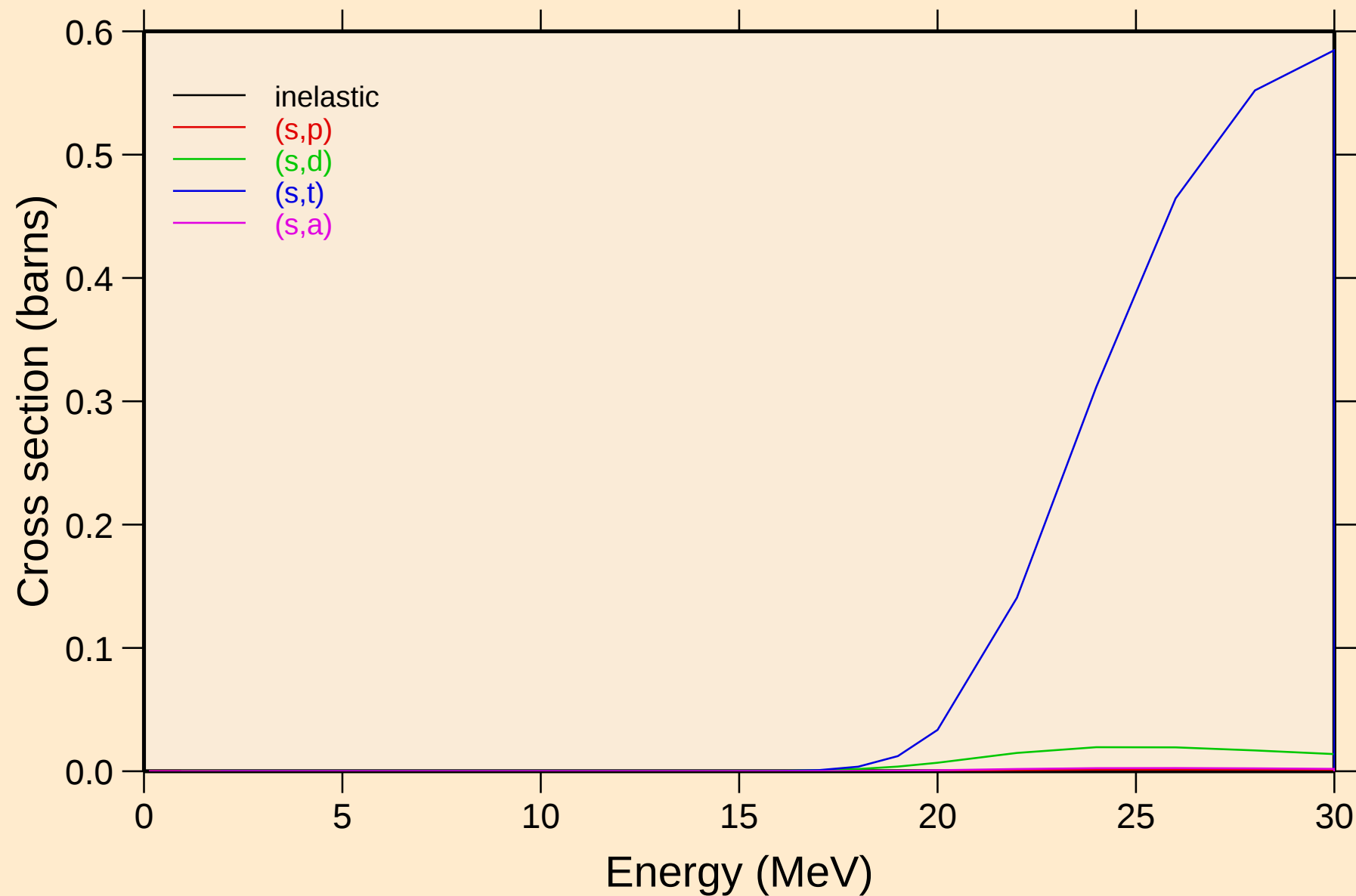
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## Threshold reactions



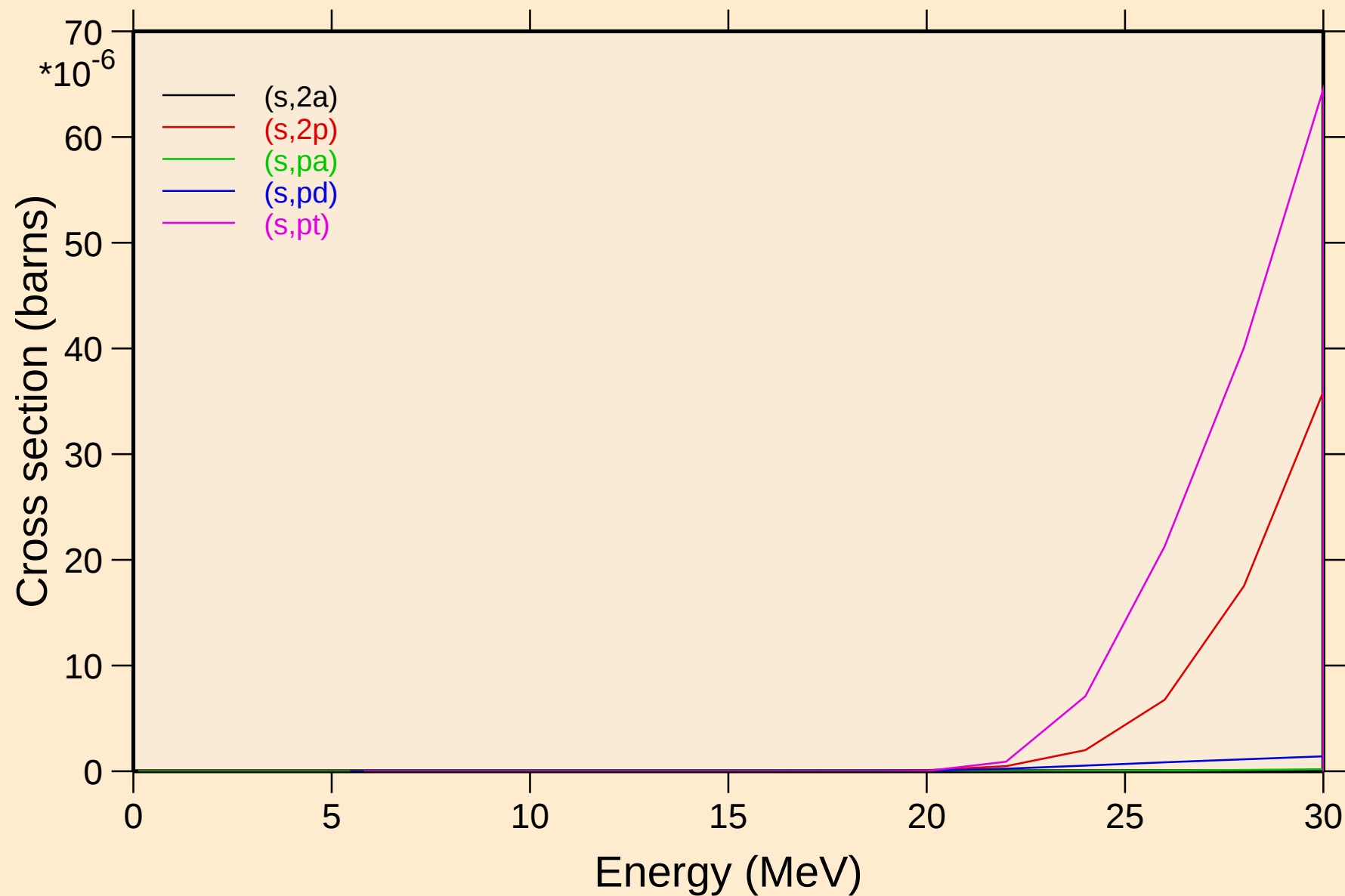
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## Threshold reactions



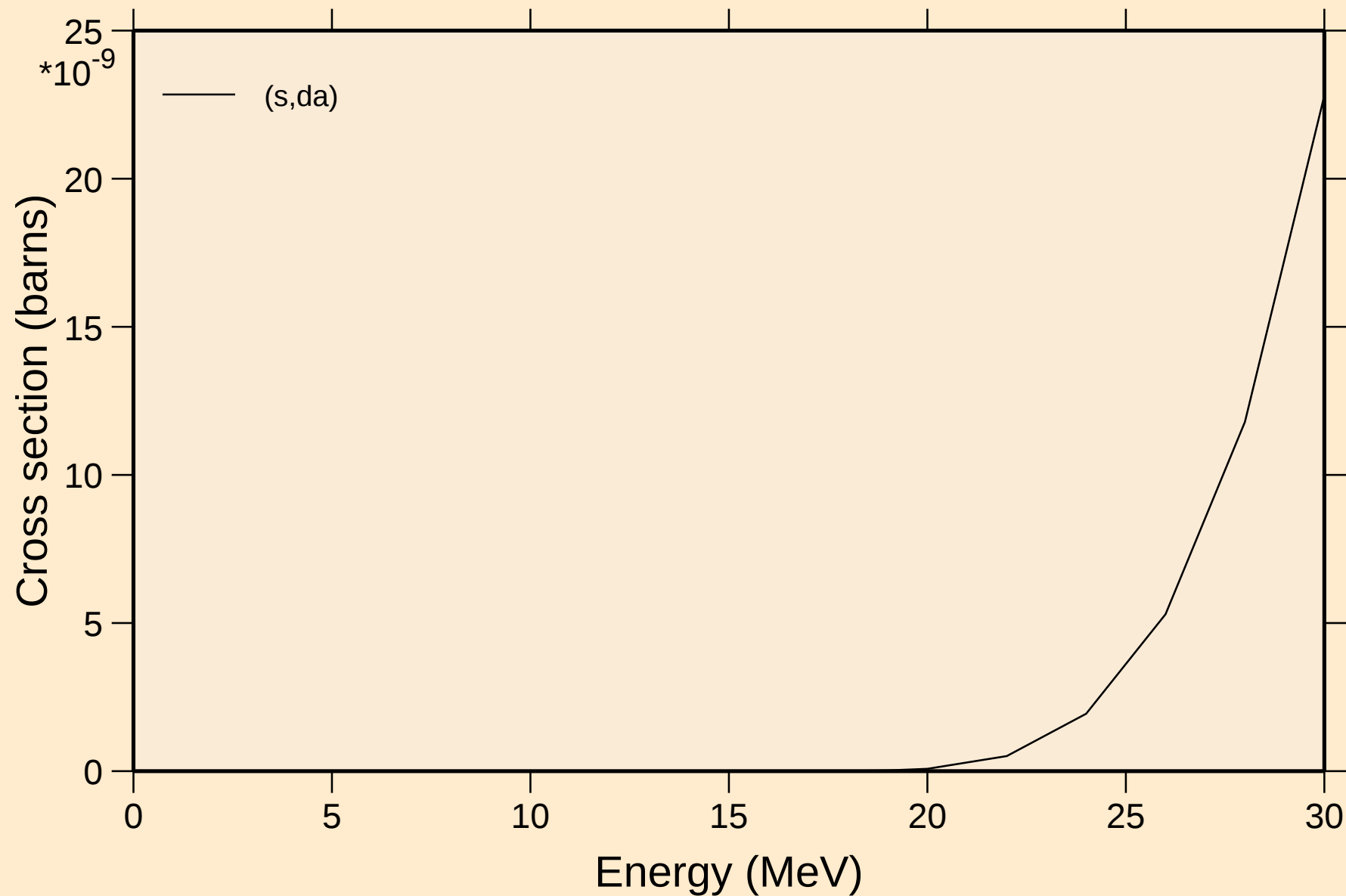
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## Threshold reactions

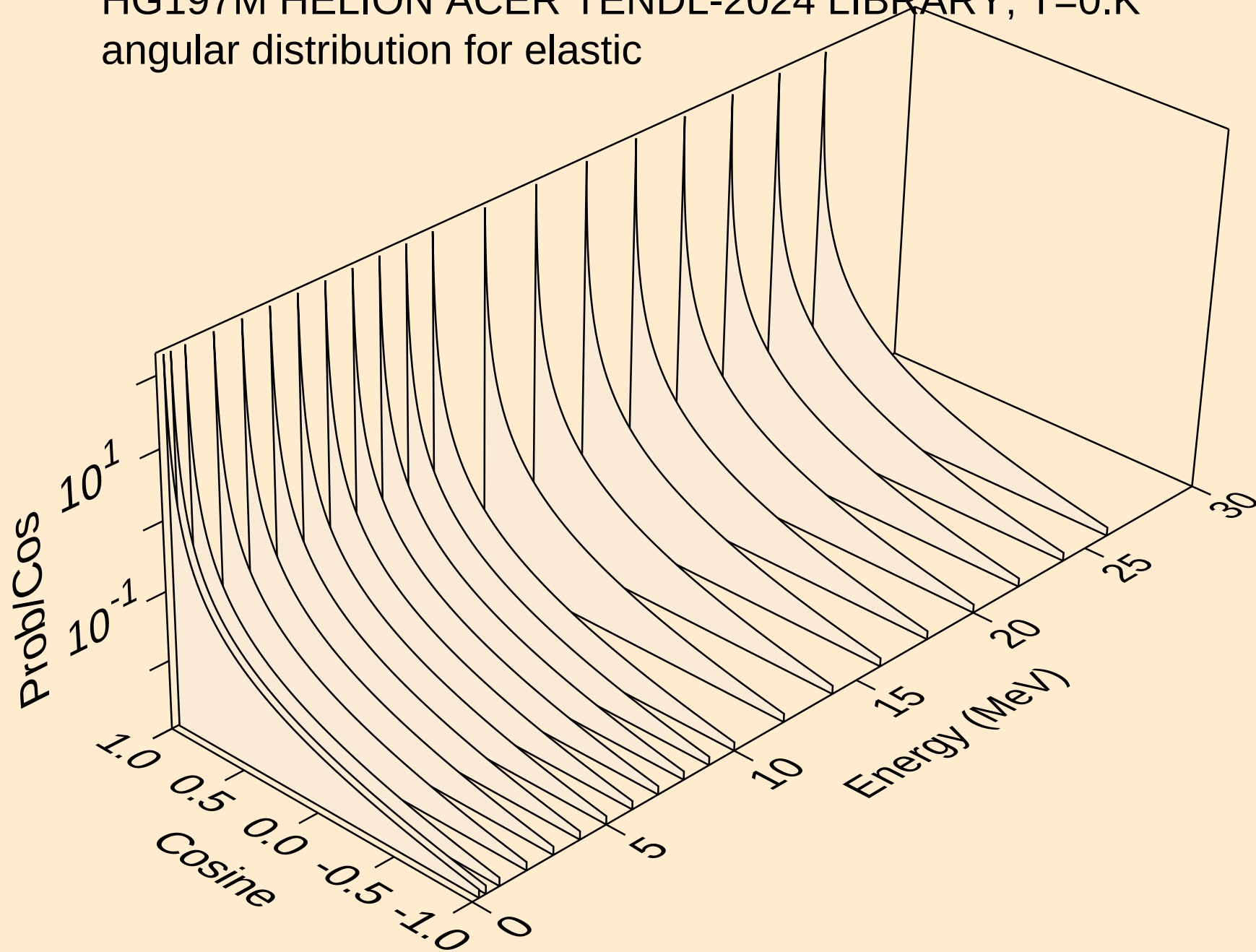


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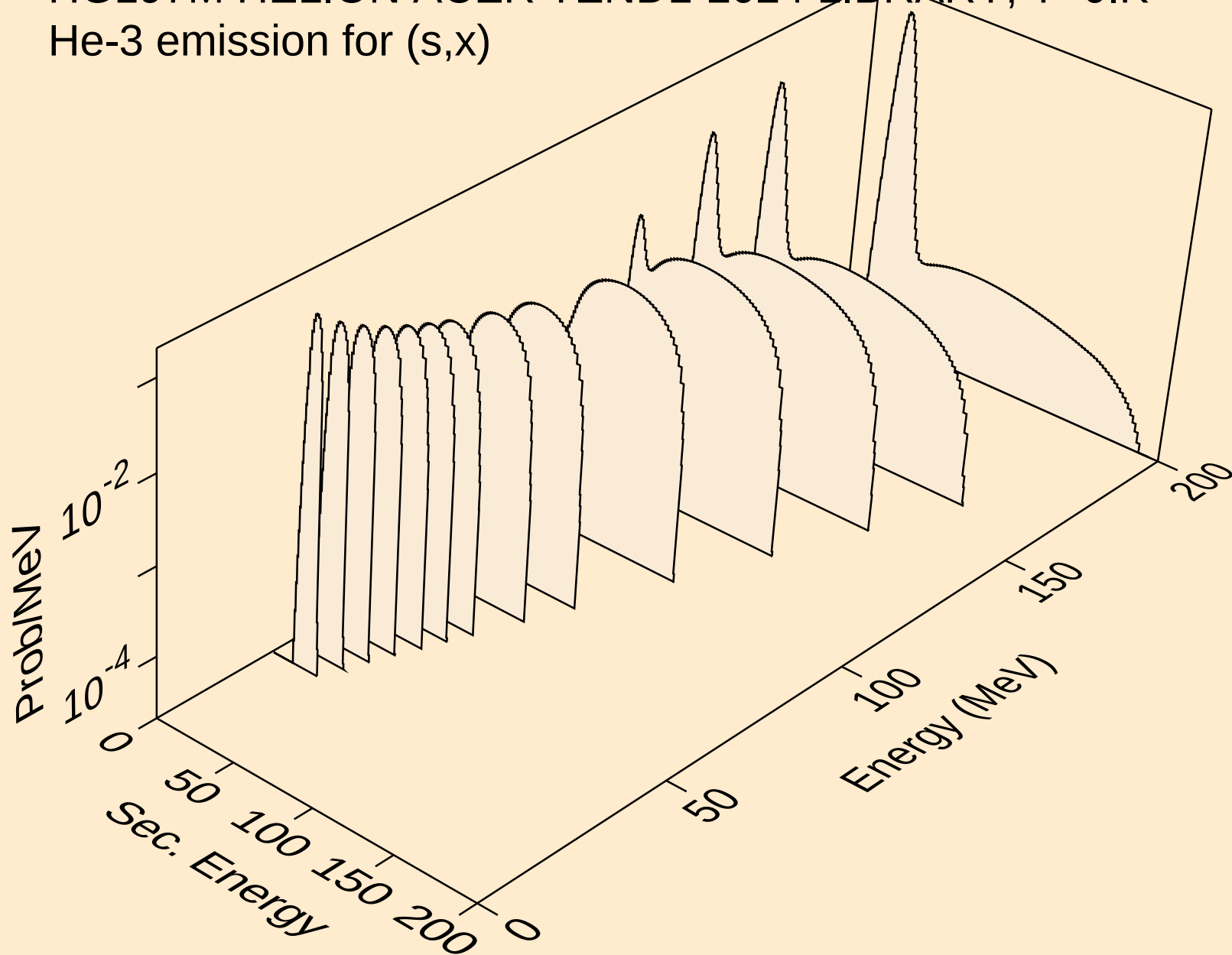
Threshold reactions



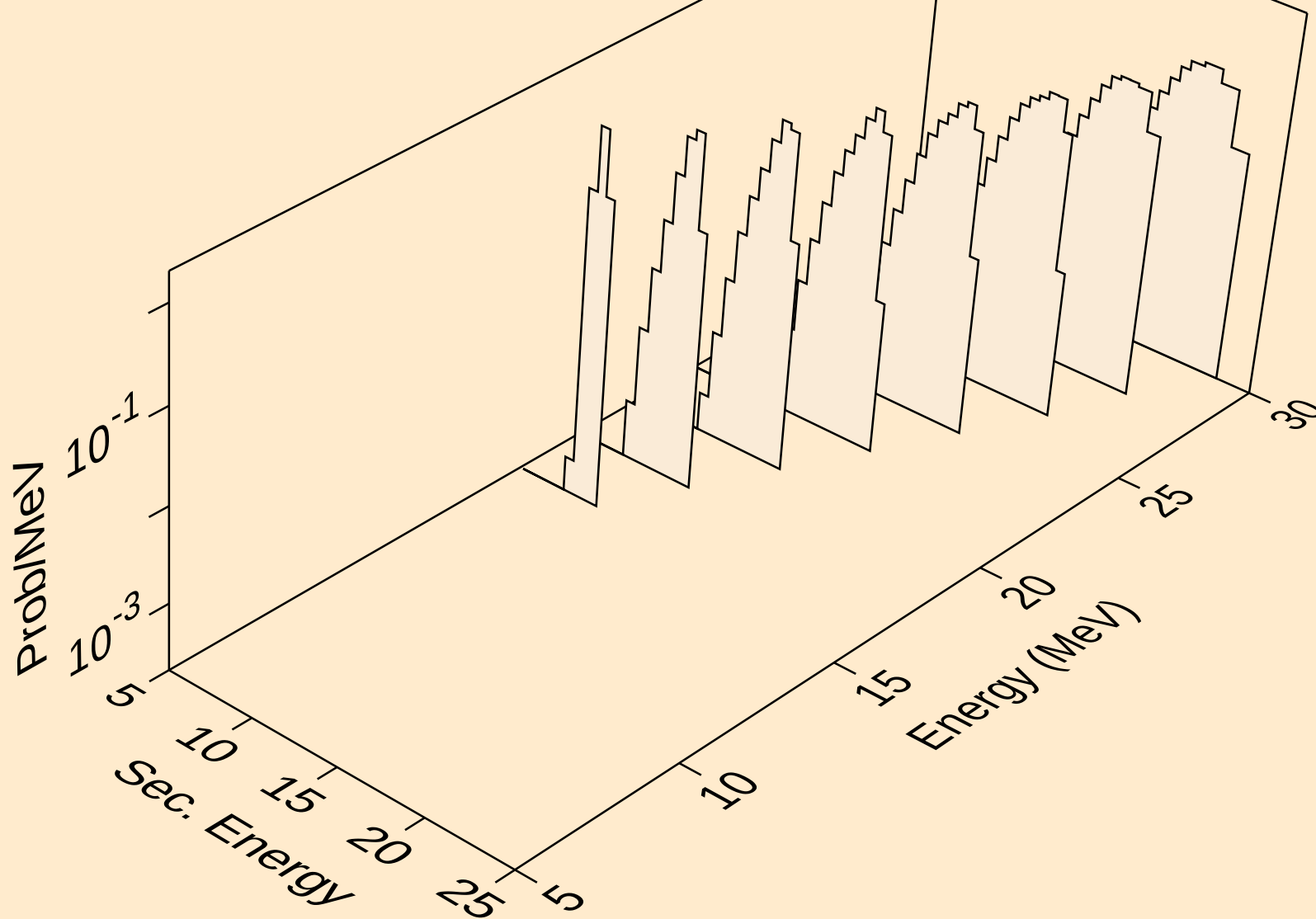
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



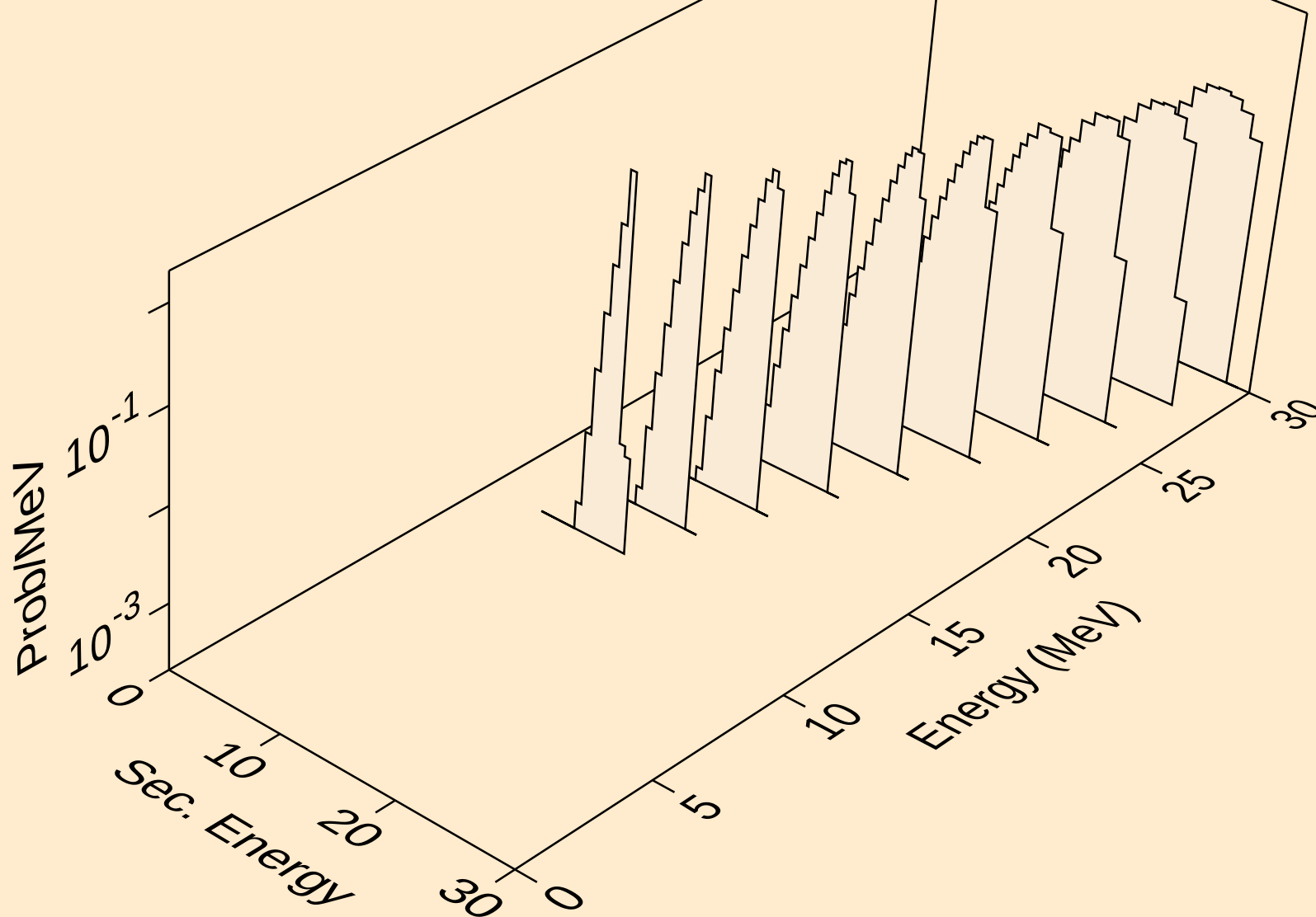
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



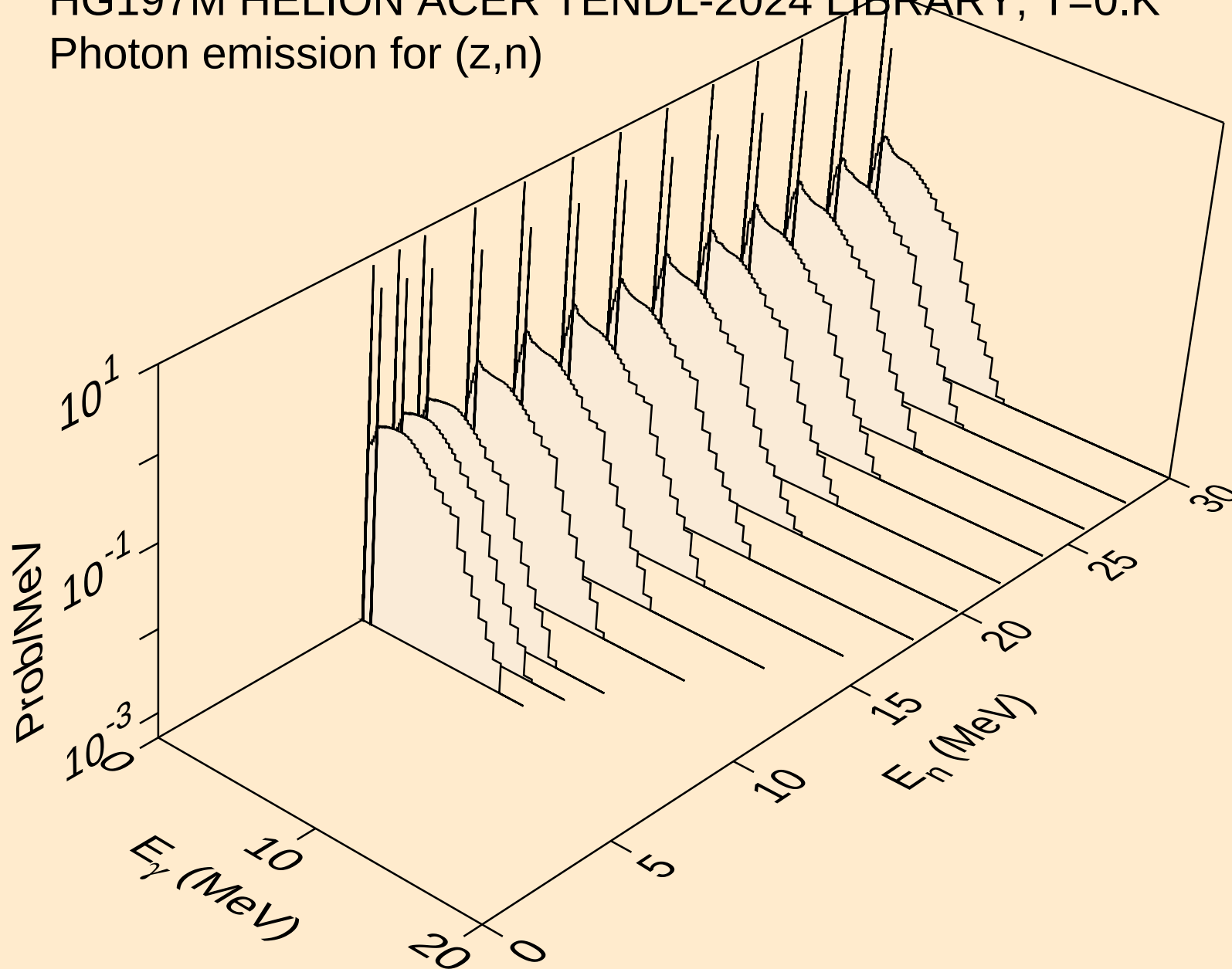
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic

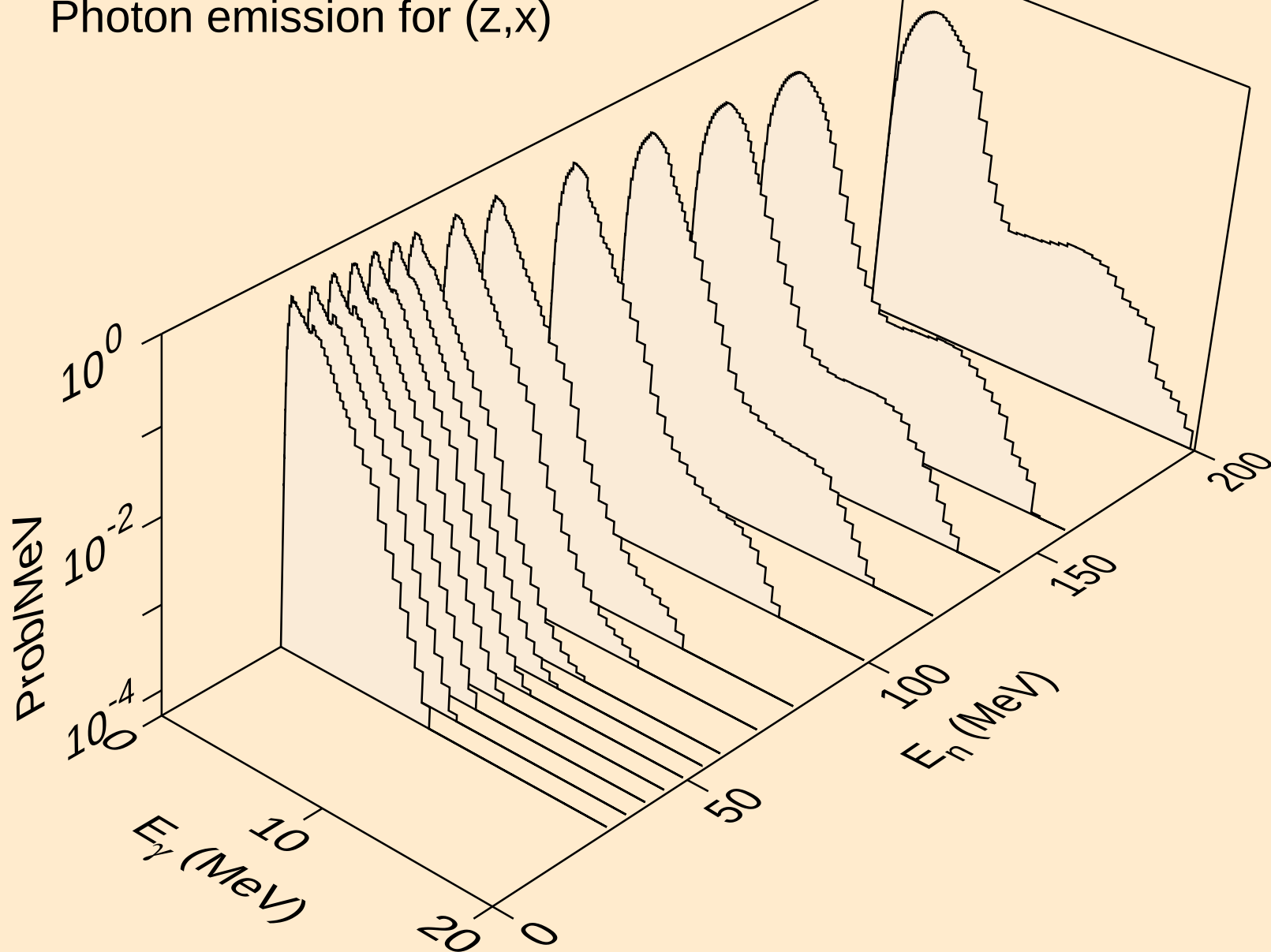


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

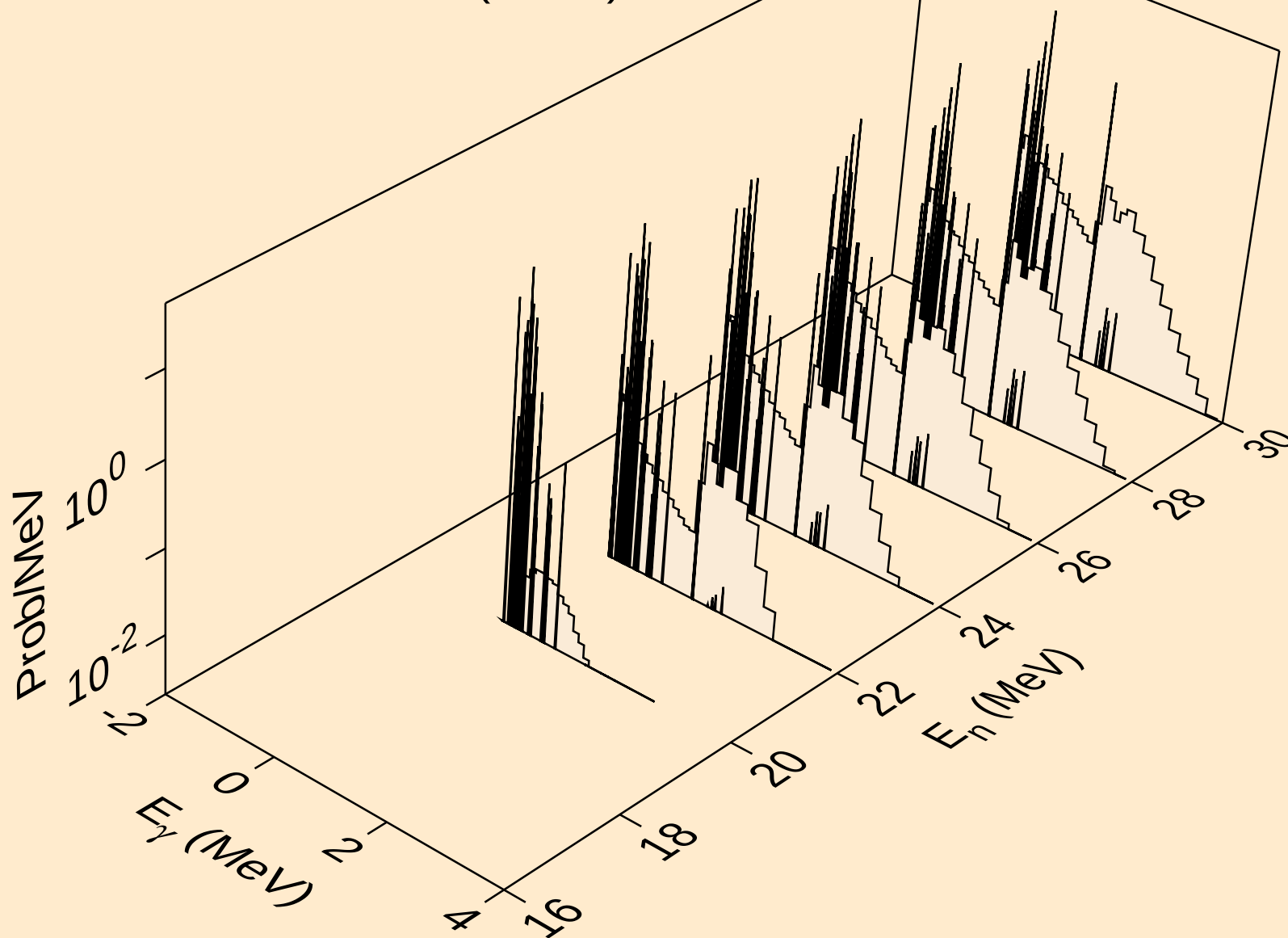


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

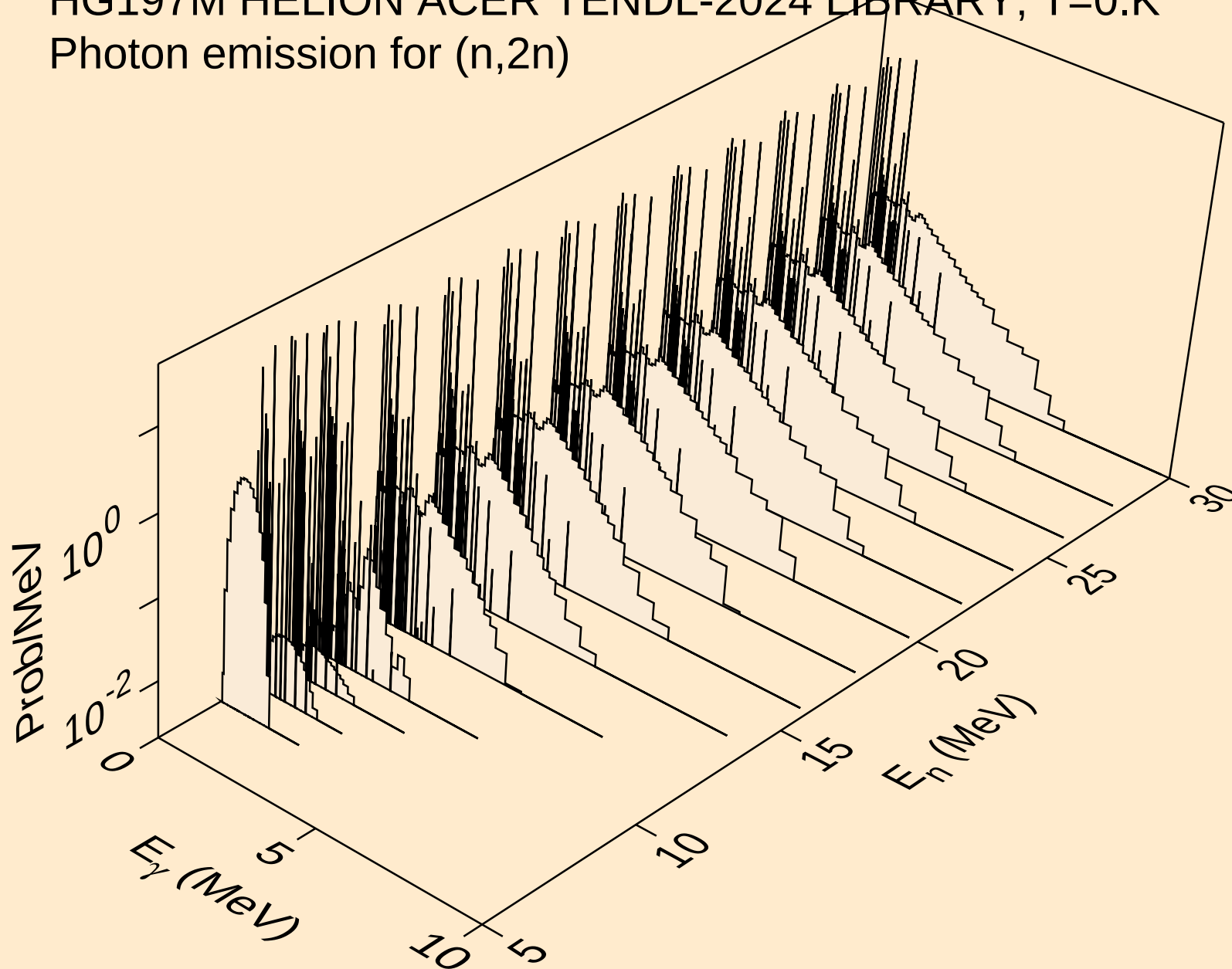
Photon emission for (z,x)



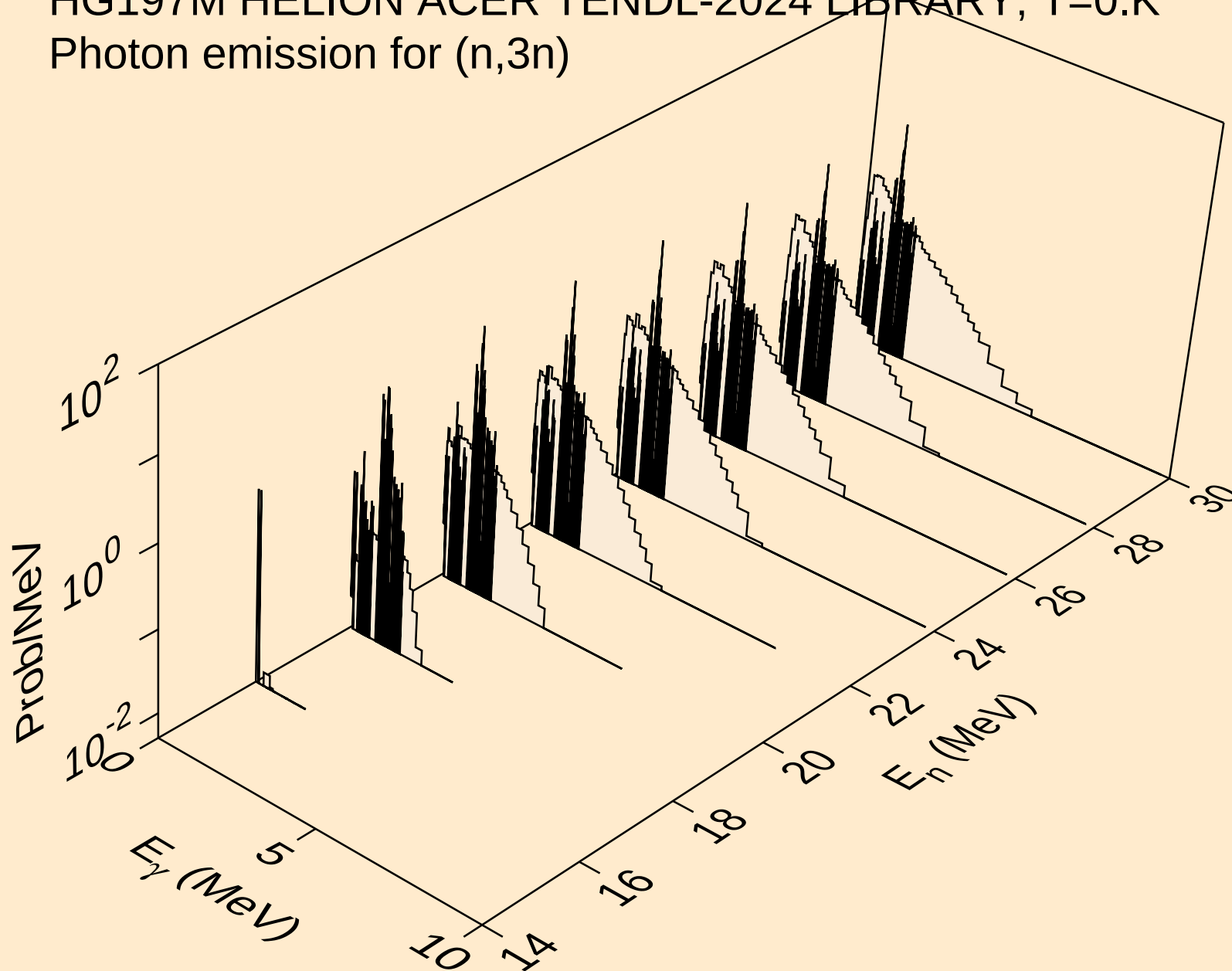
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

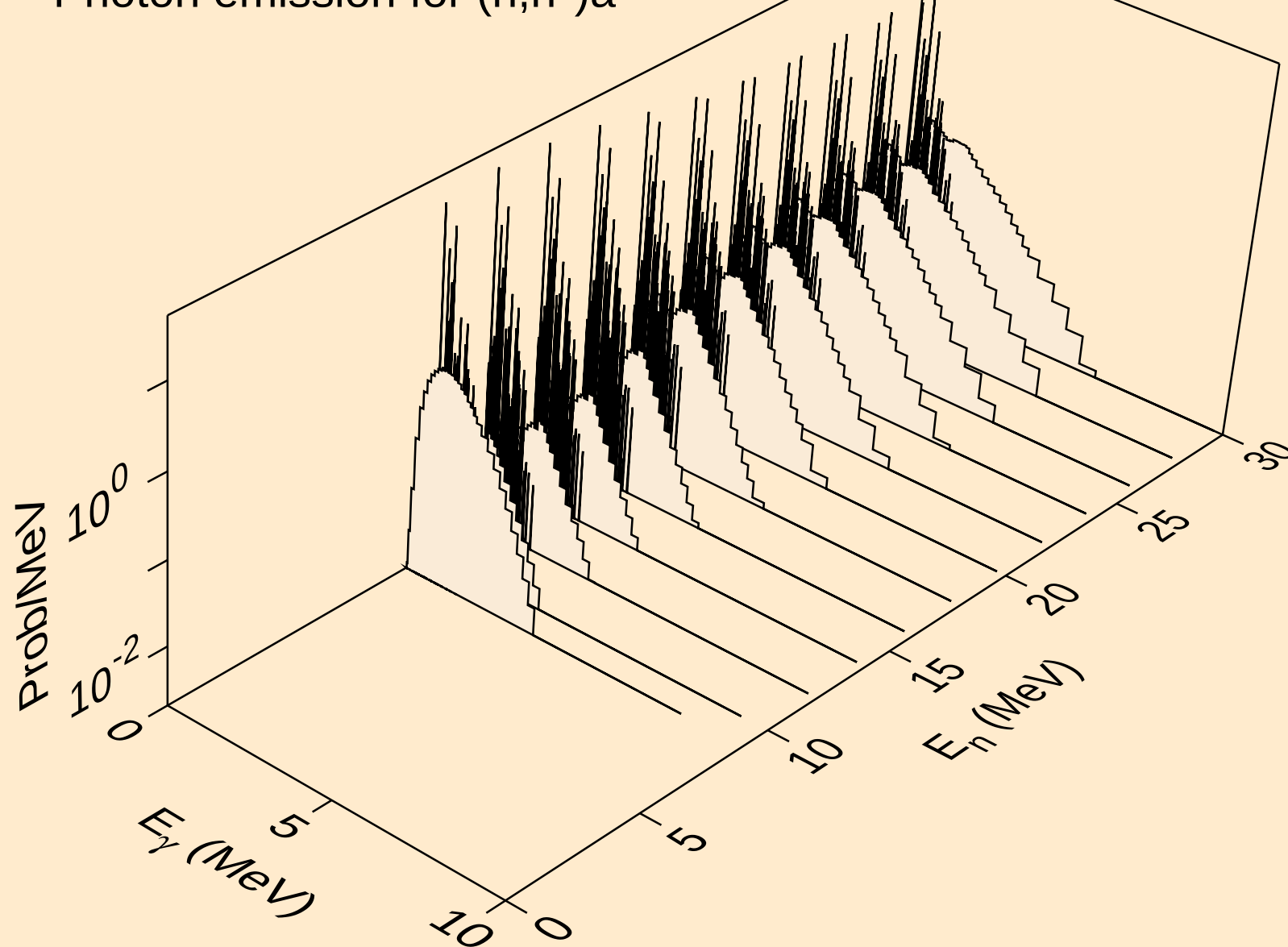


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

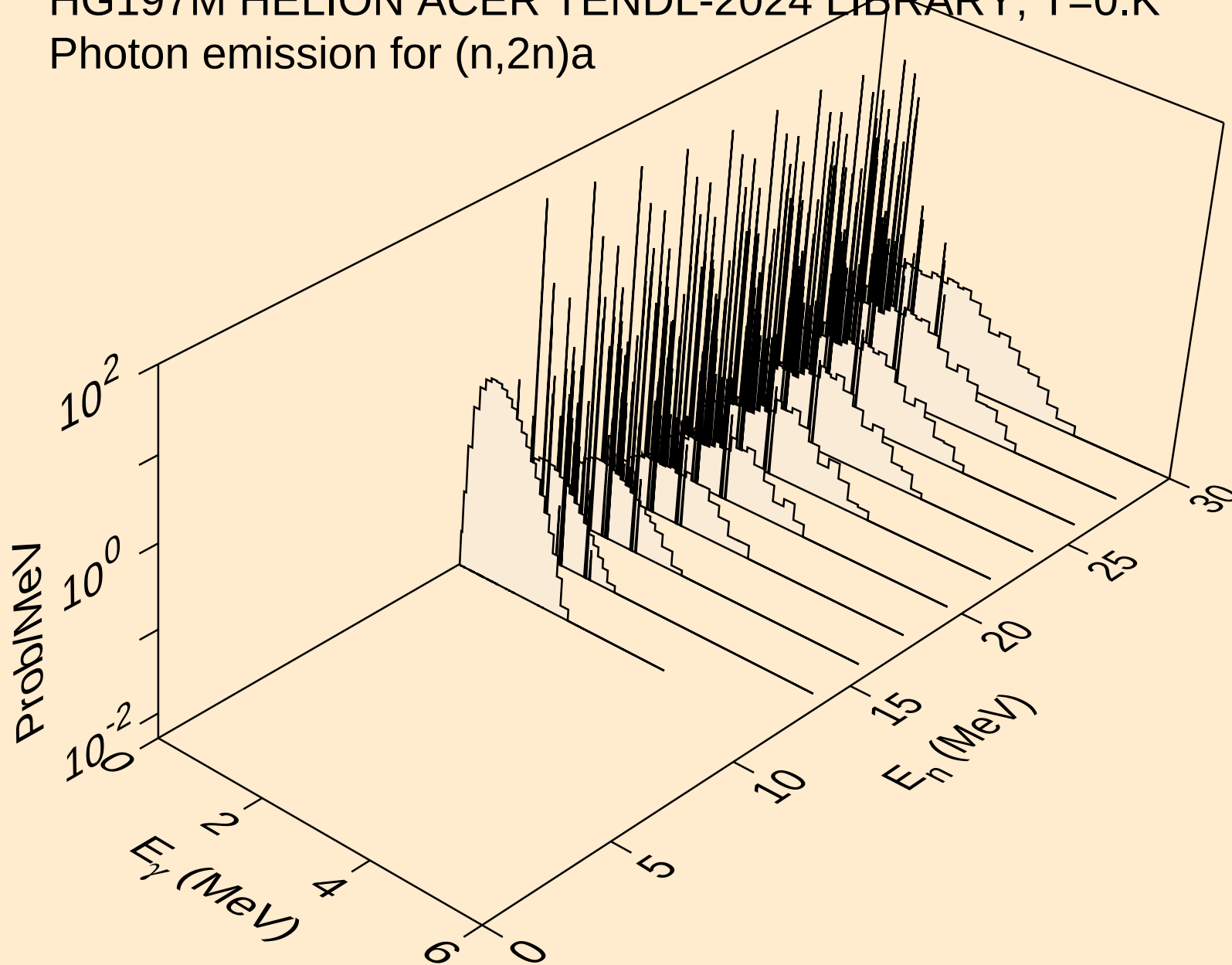


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a

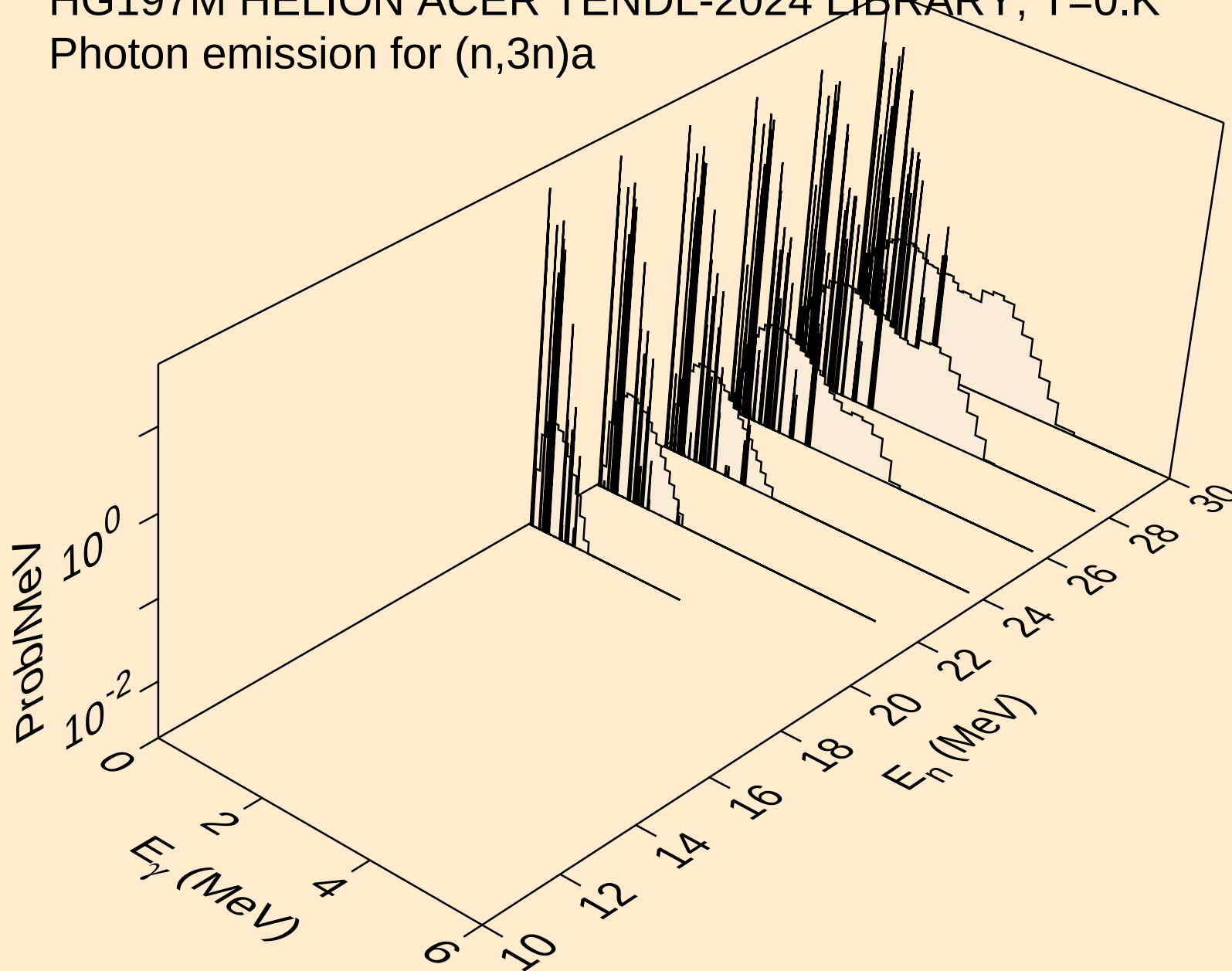


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

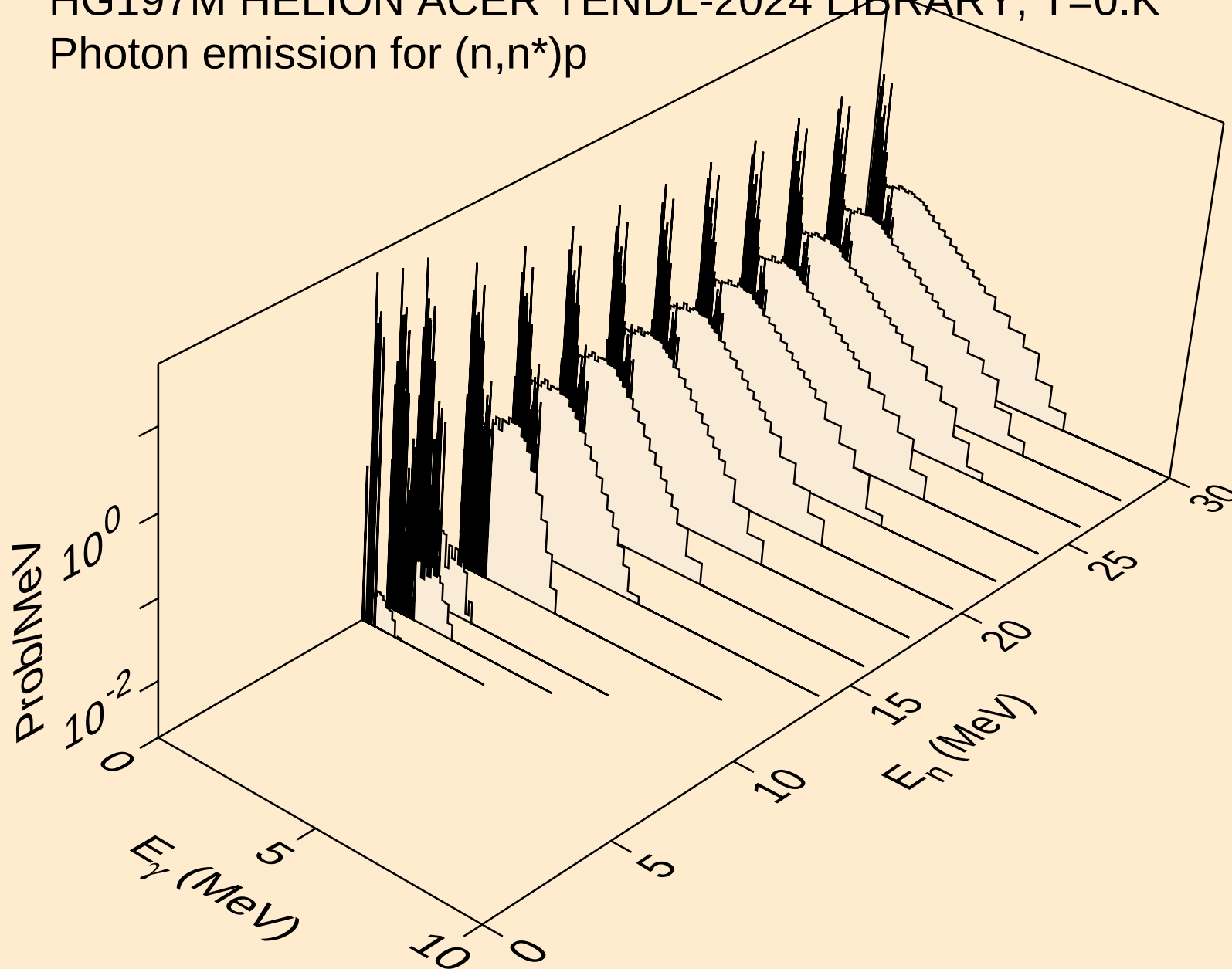


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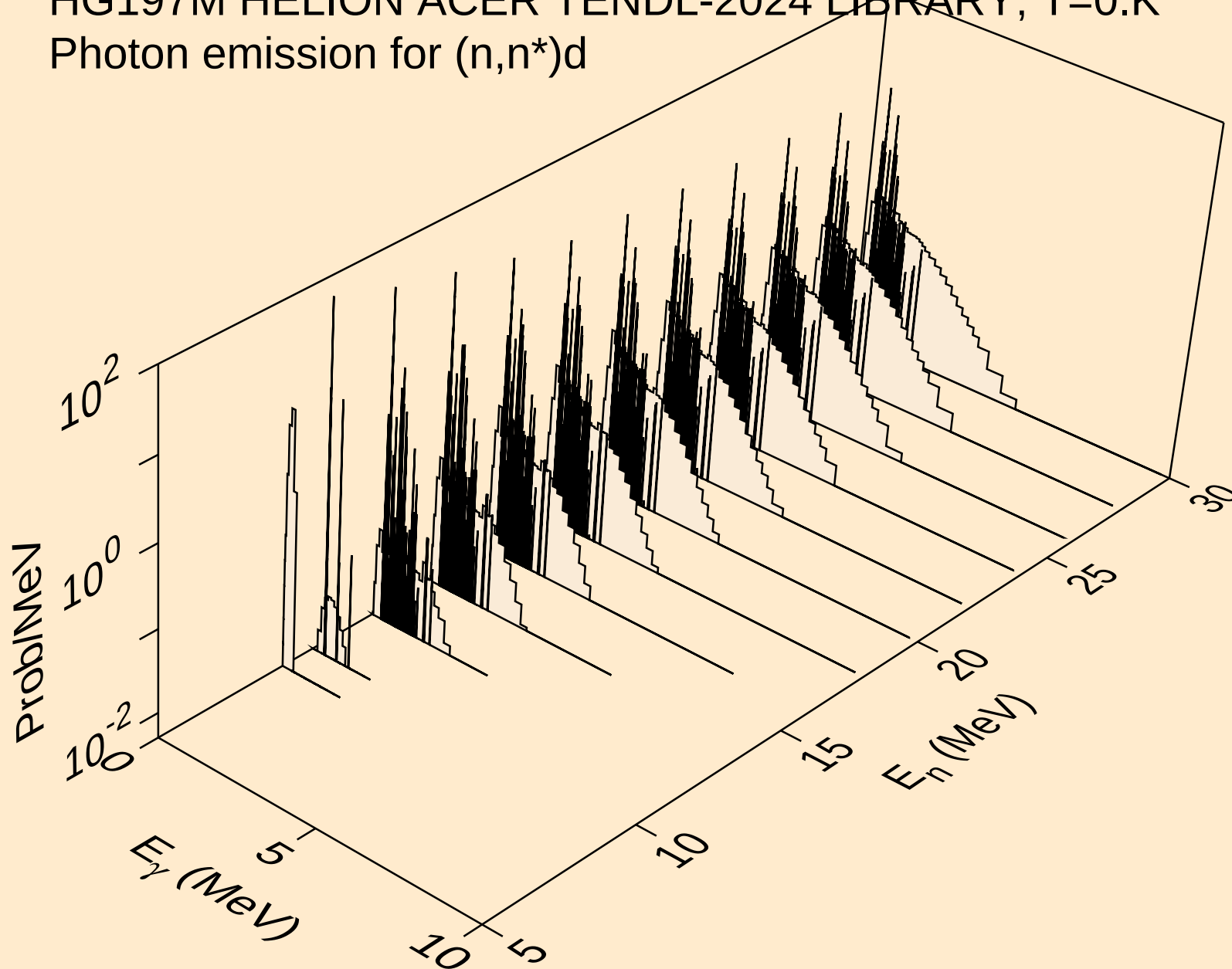
Photon emission for (n,3n) $\alpha$



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

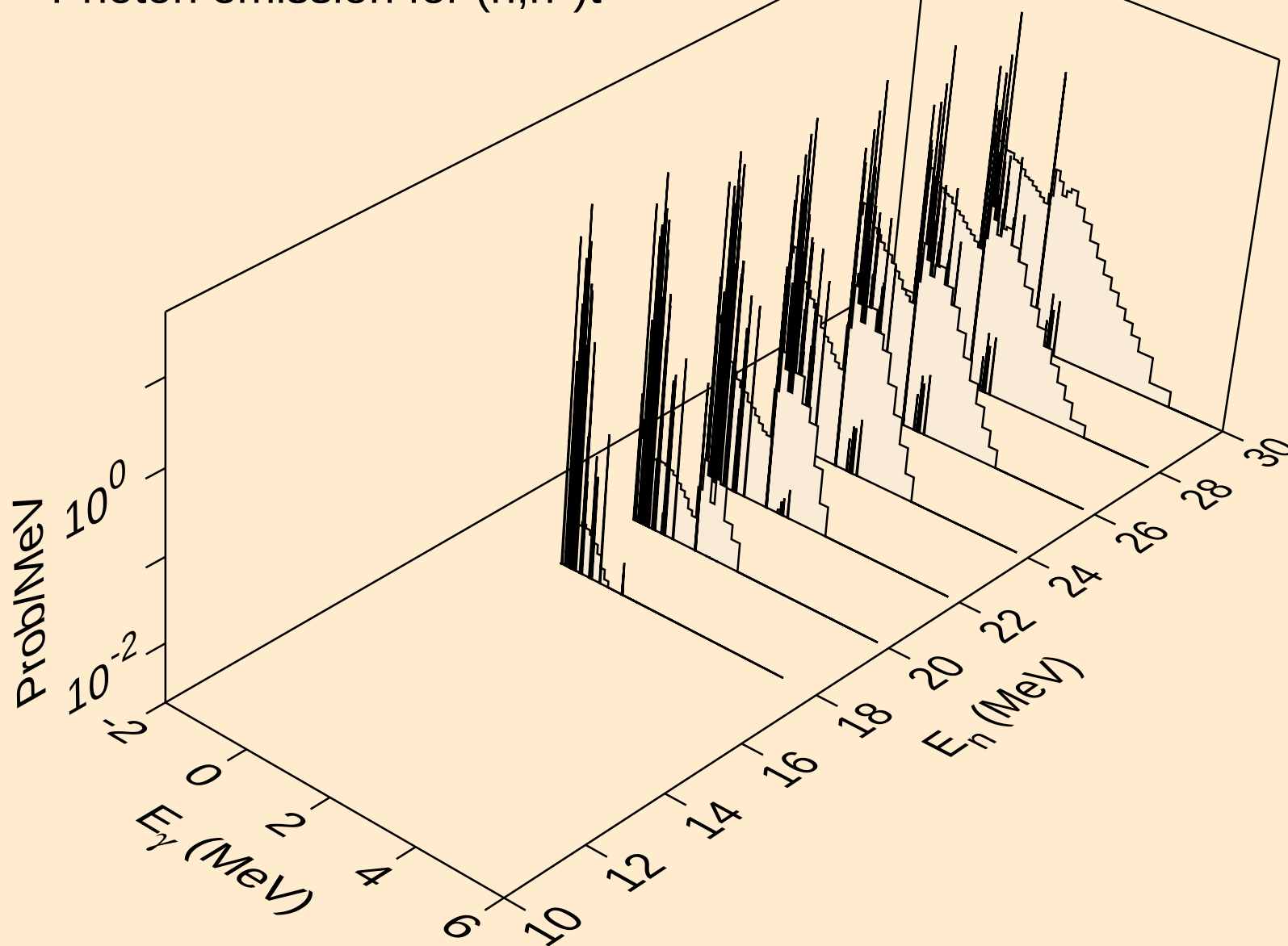


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

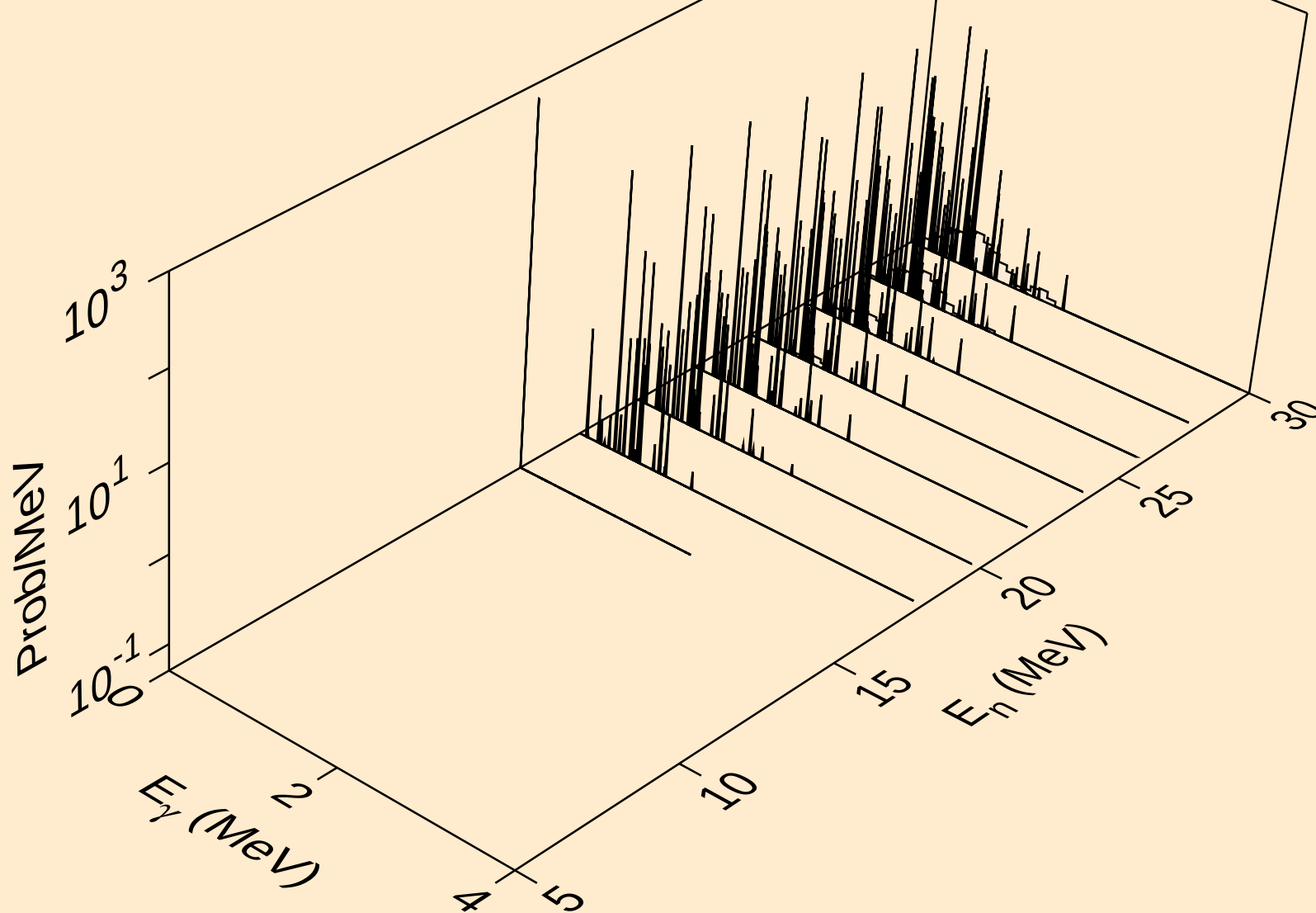


HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K

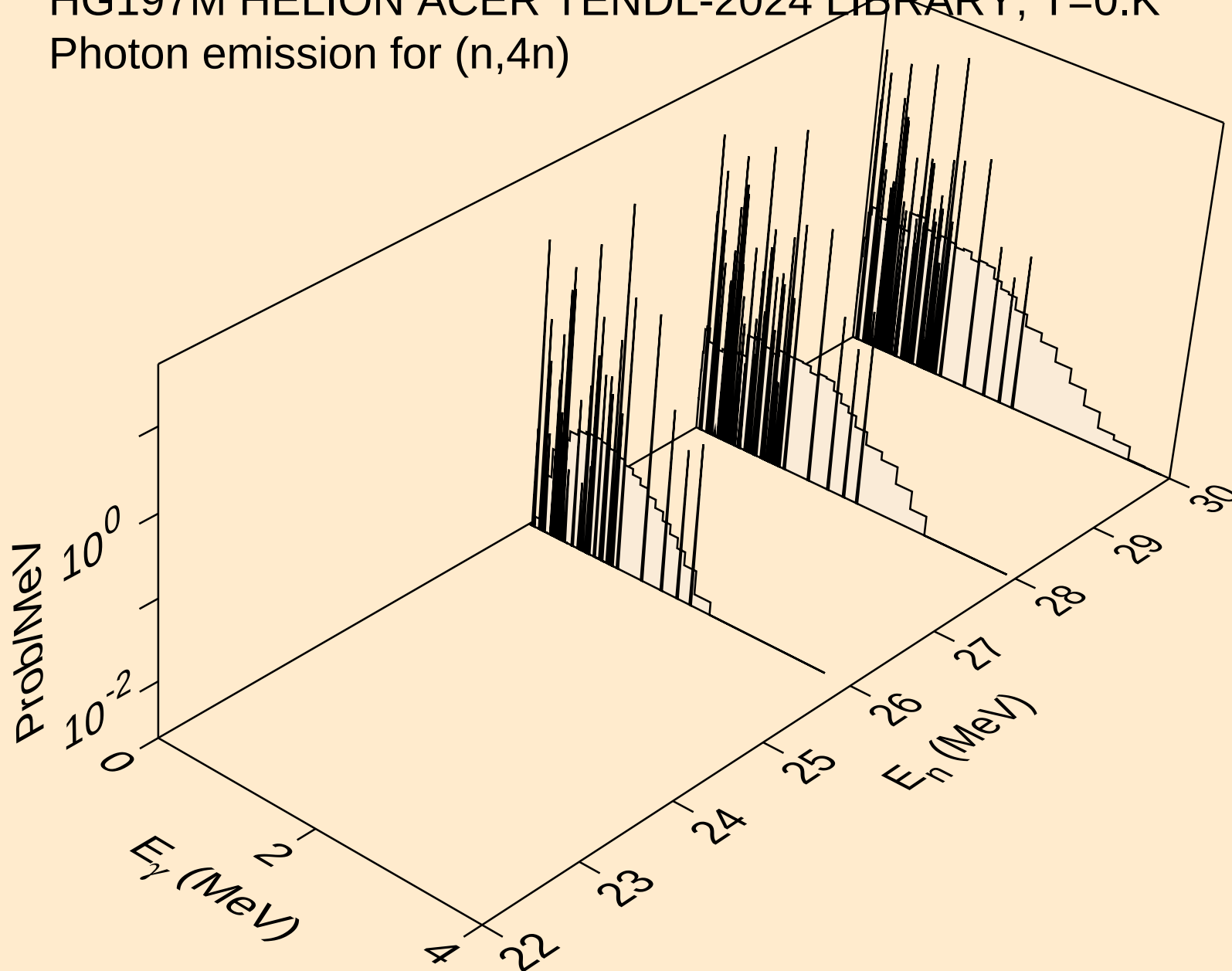
Photon emission for (n,n\*)t



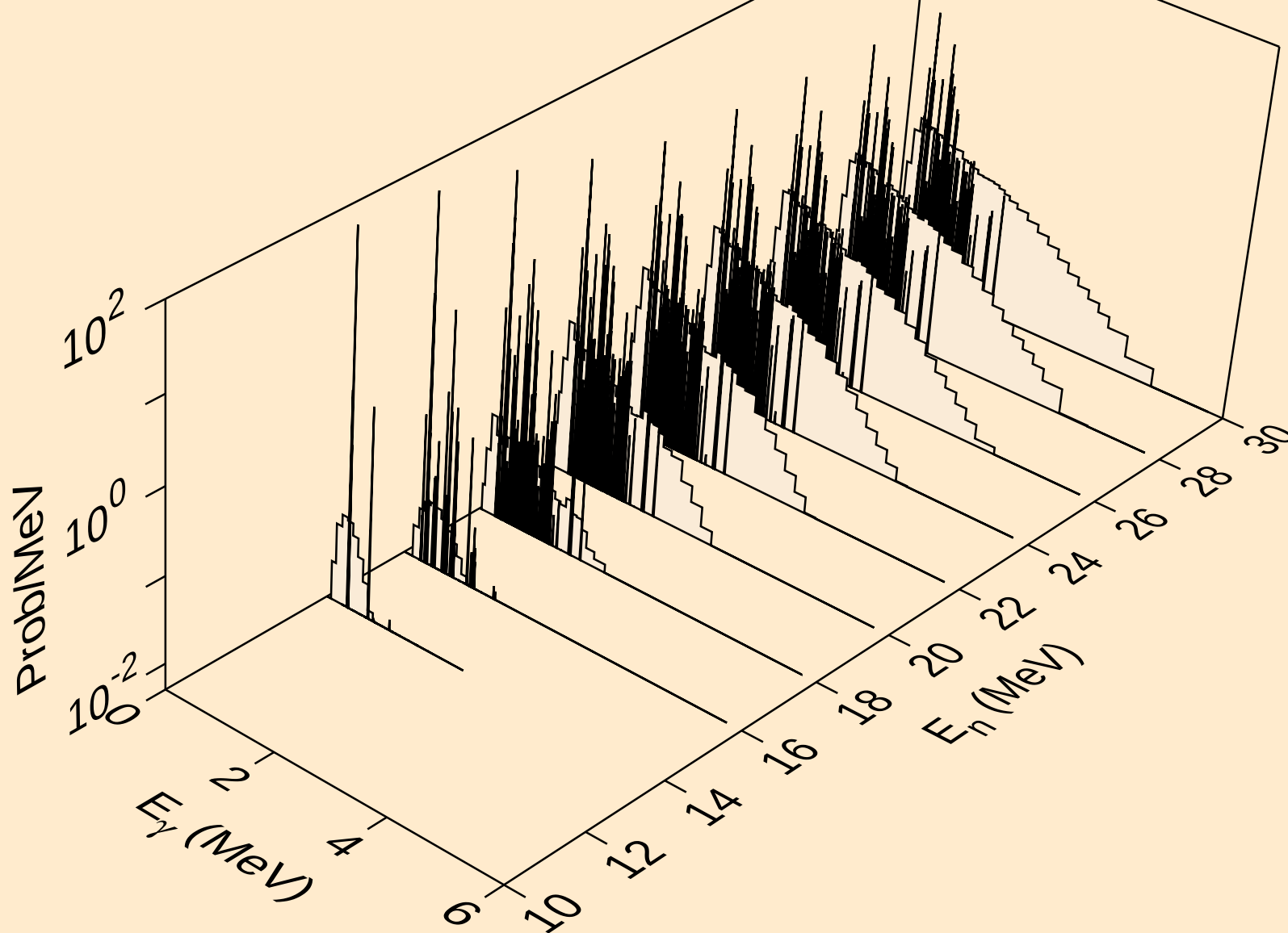
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



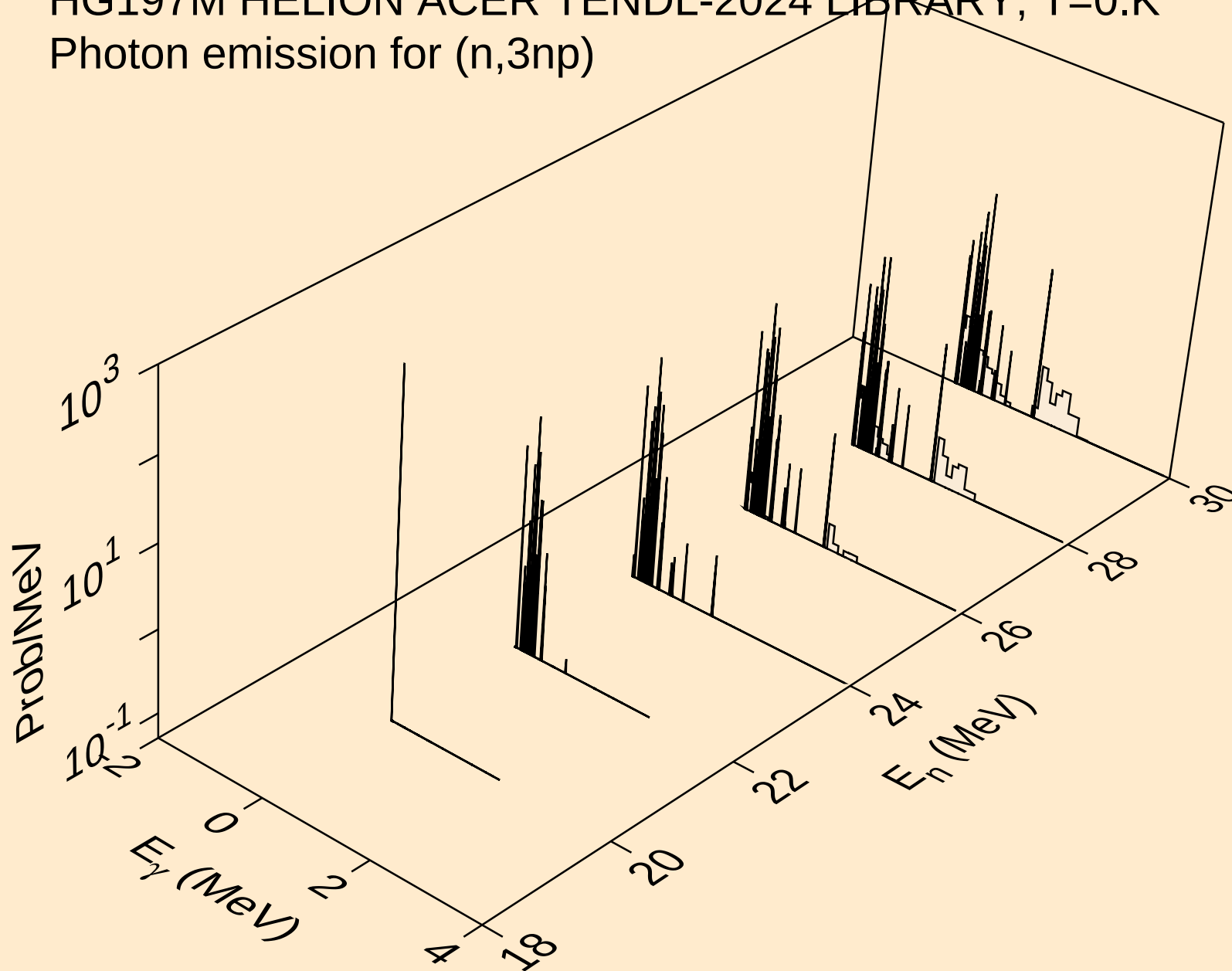
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



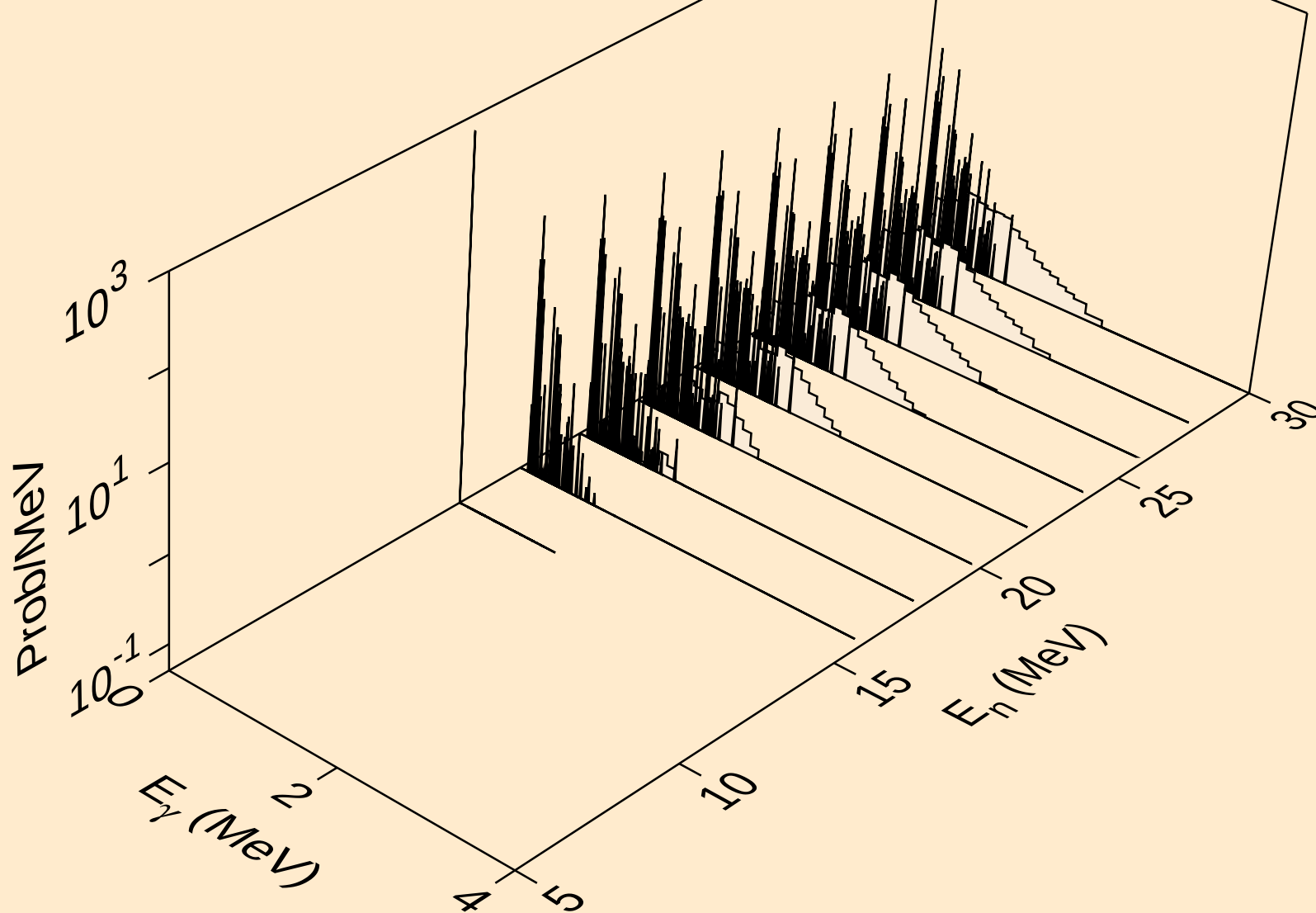
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Photon emission for (n,2np)



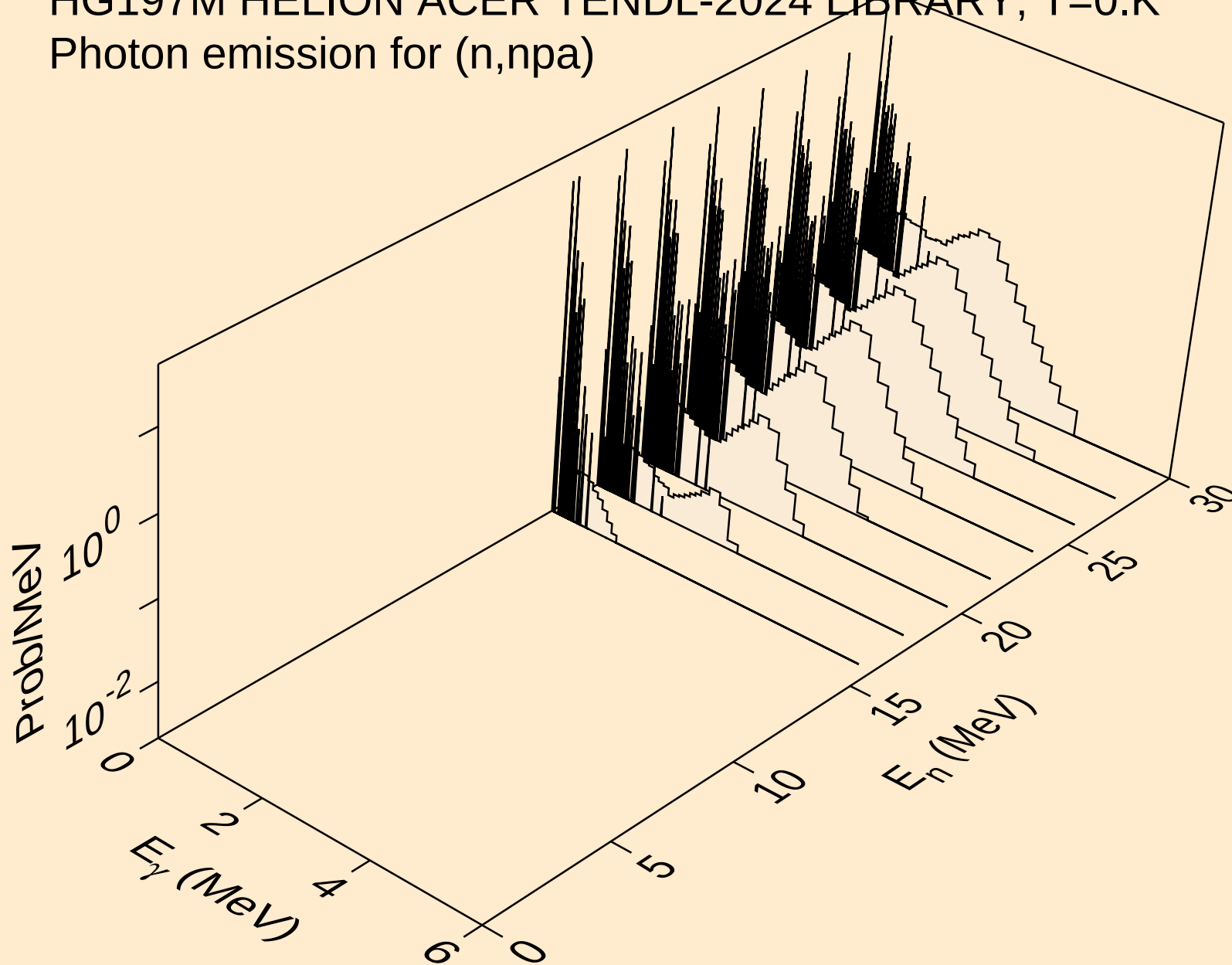
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Photon emission for (n,3np)



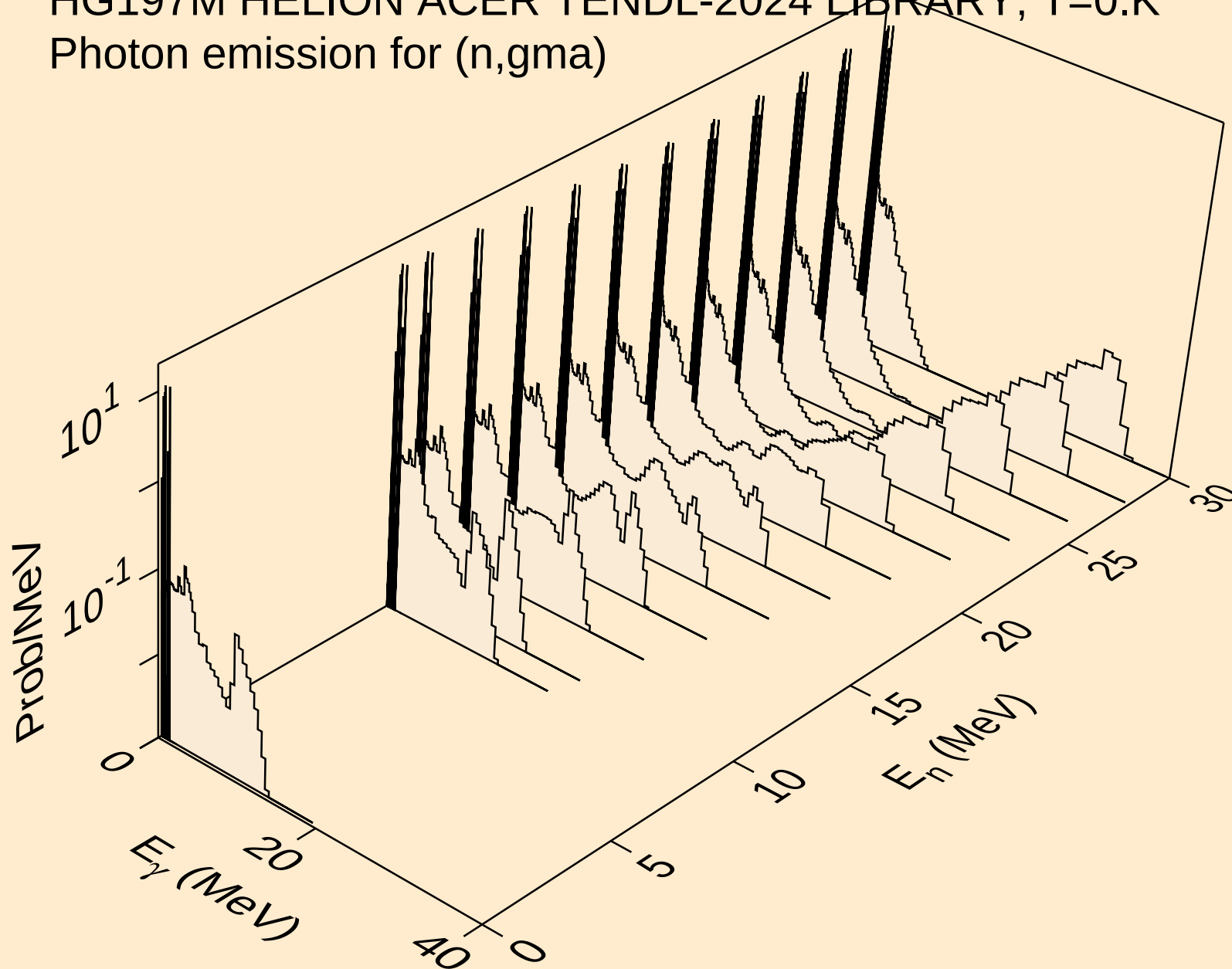
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Photon emission for (n,n2p)



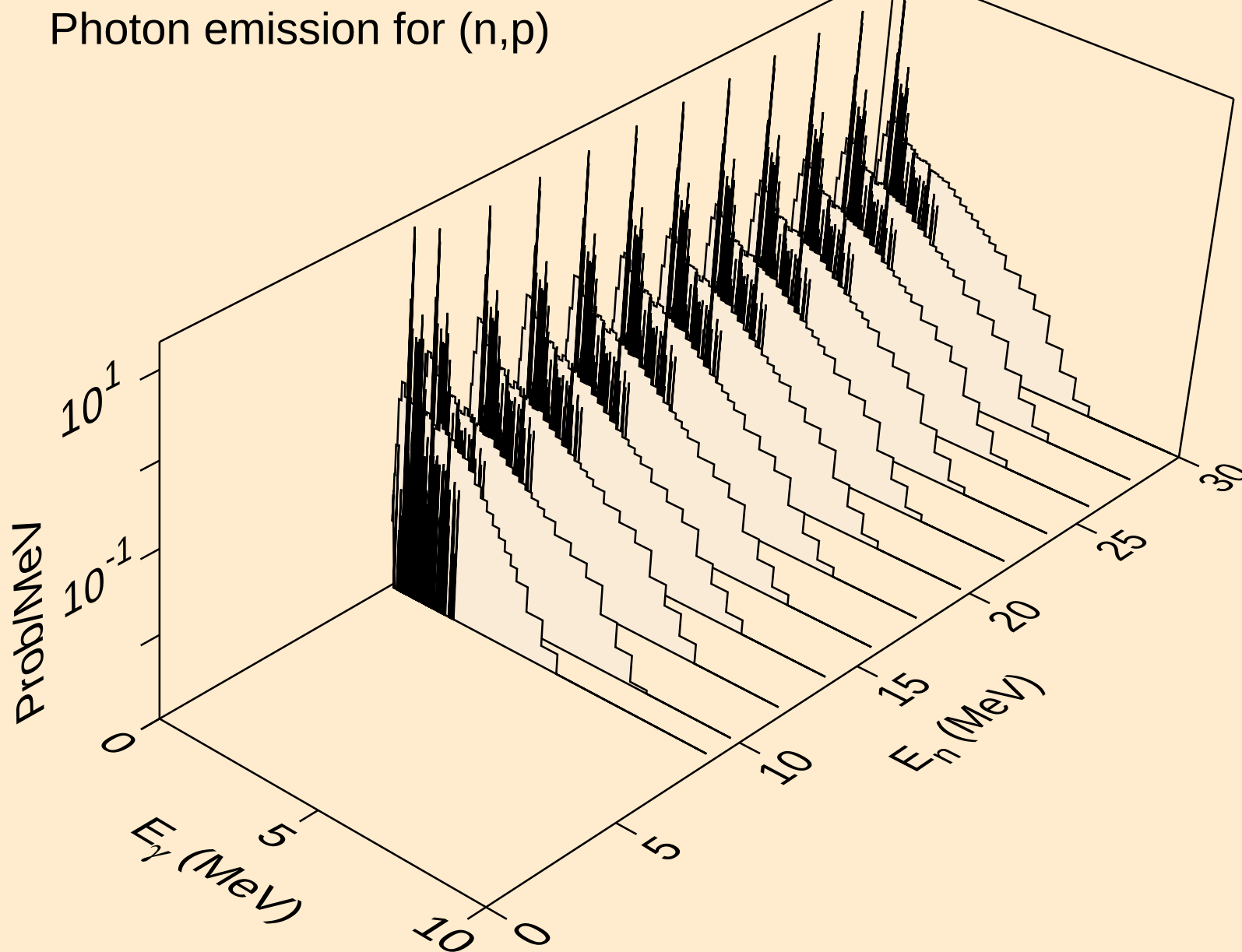
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Photon emission for (n,npa)



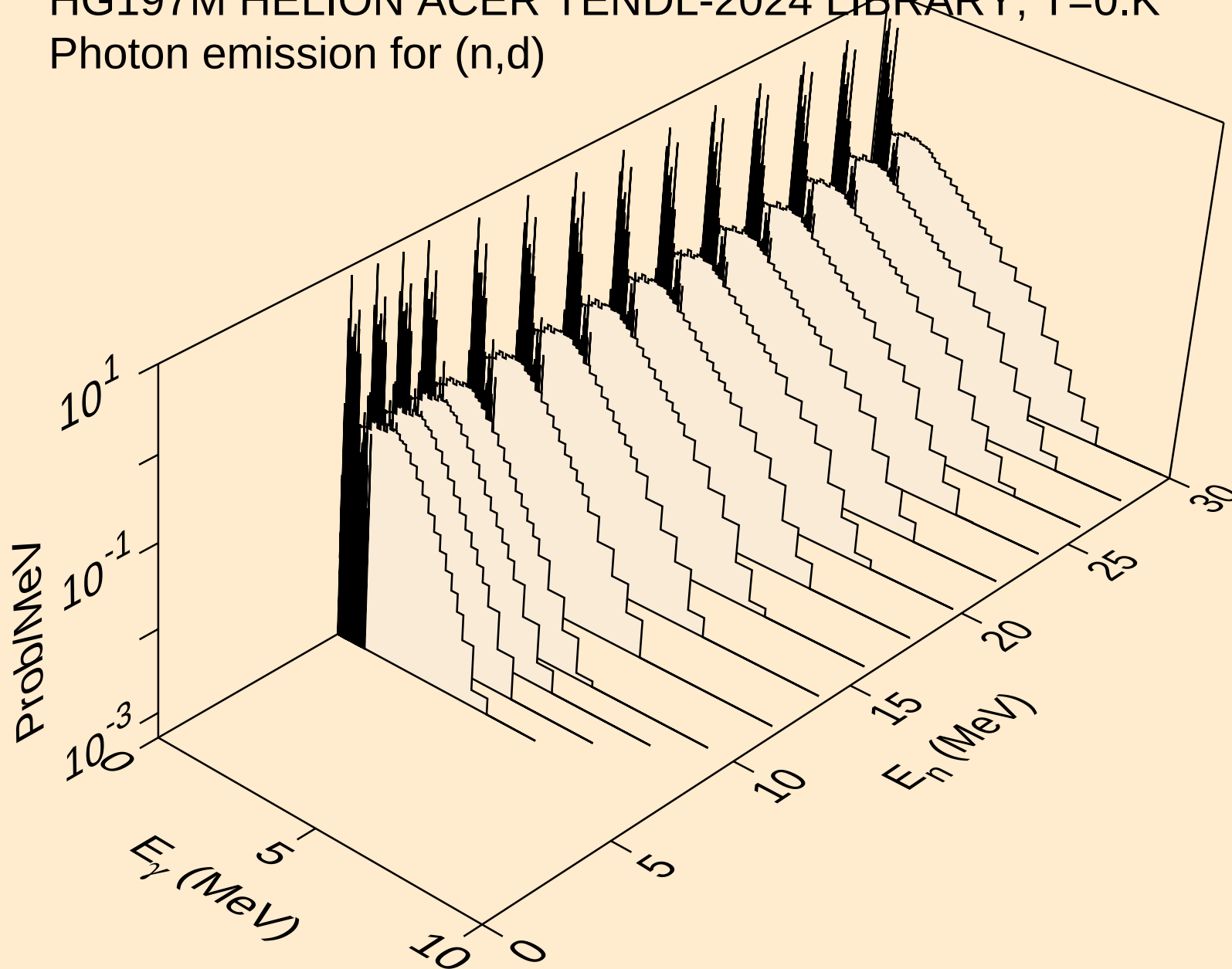
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Photon emission for (n,gma)



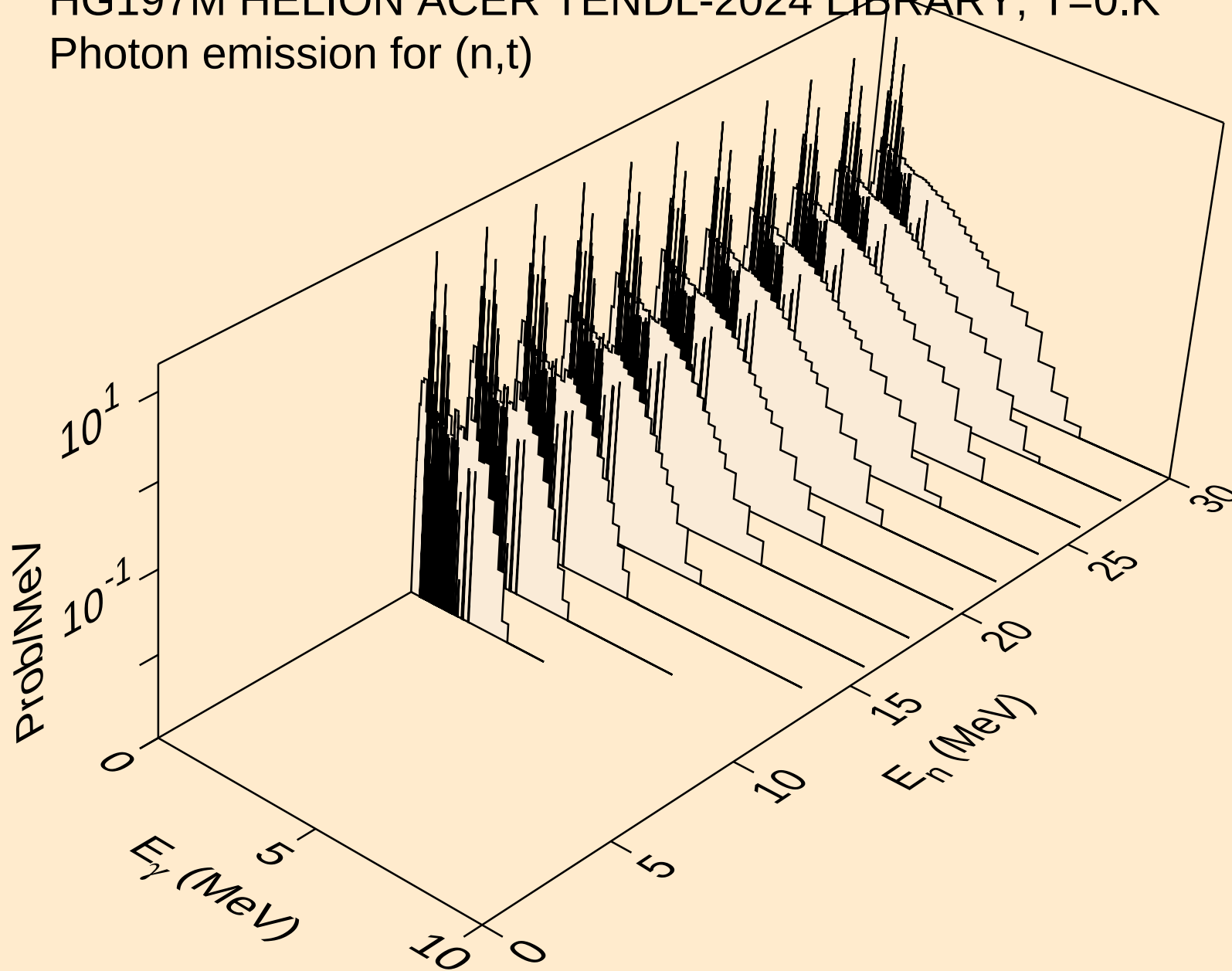
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Photon emission for (n,p)



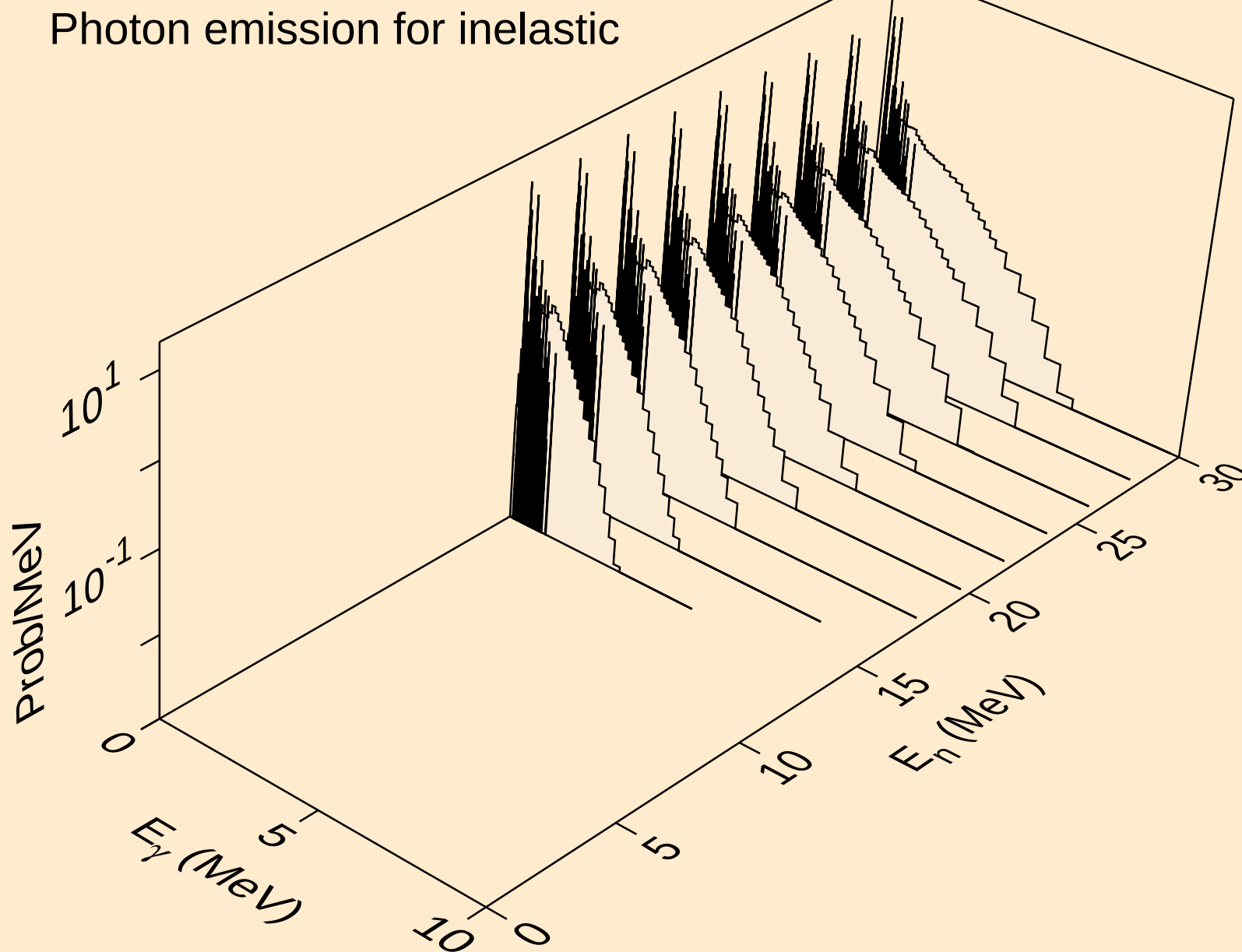
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Photon emission for (n,d)



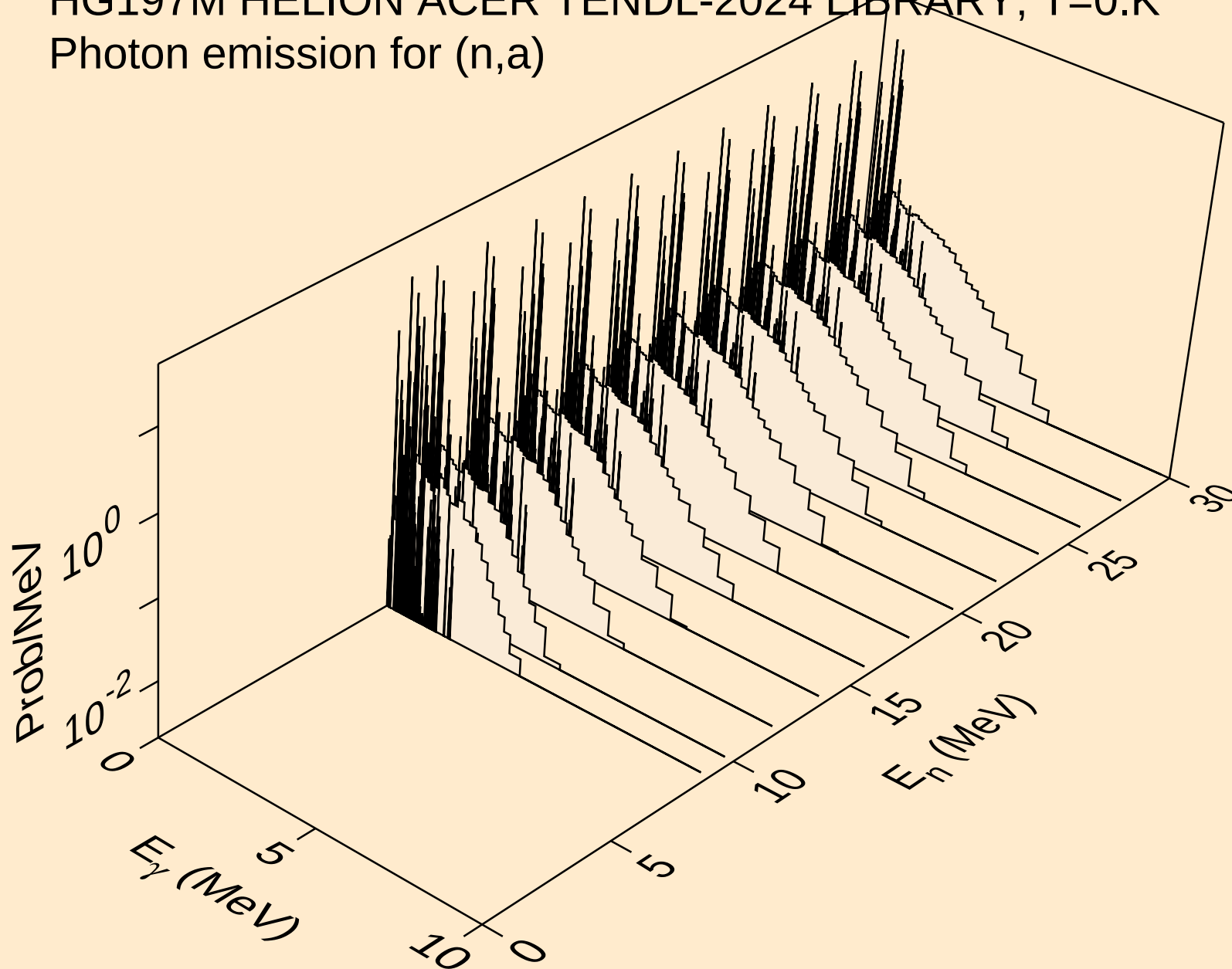
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Photon emission for (n,t)



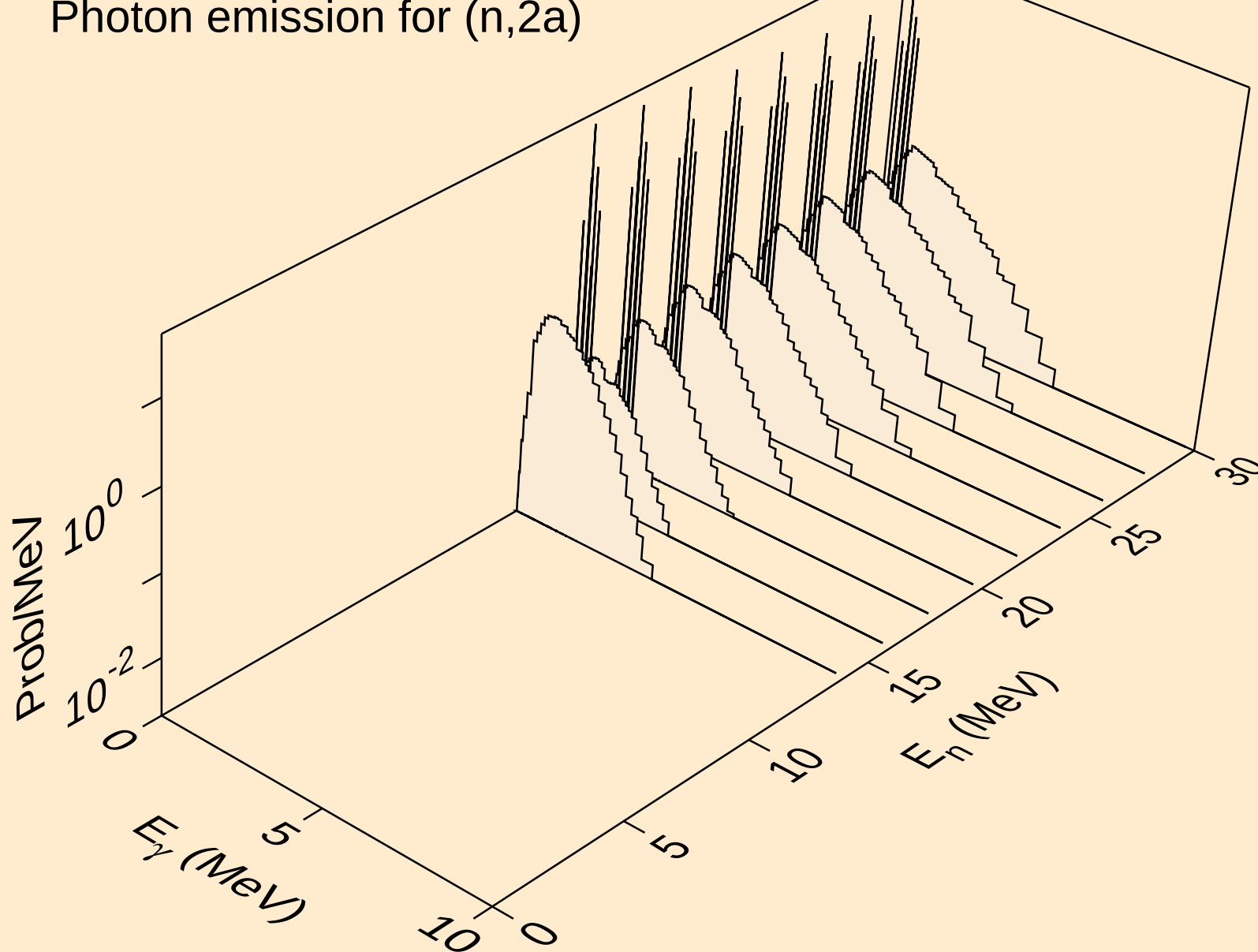
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



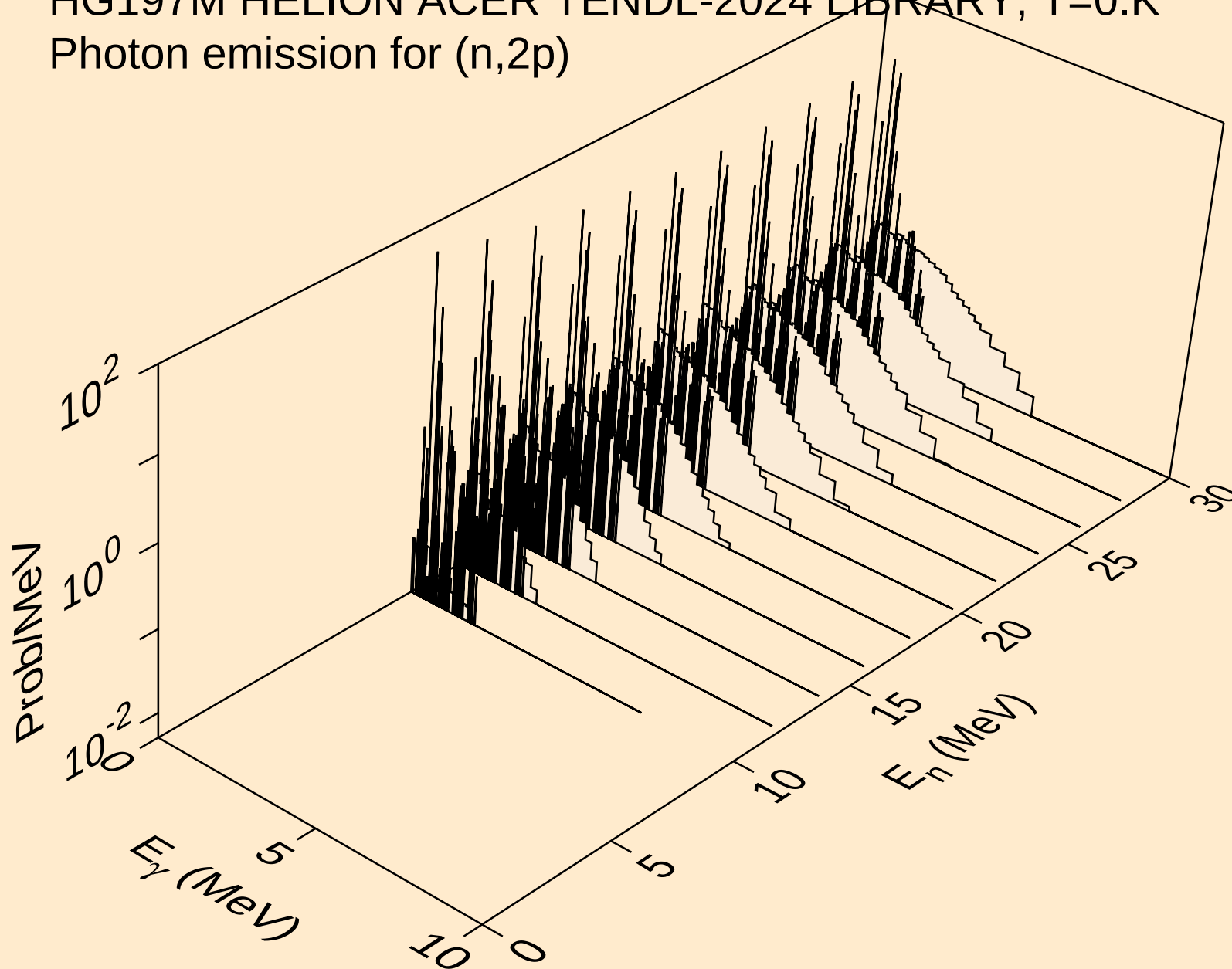
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Photon emission for (n,a)



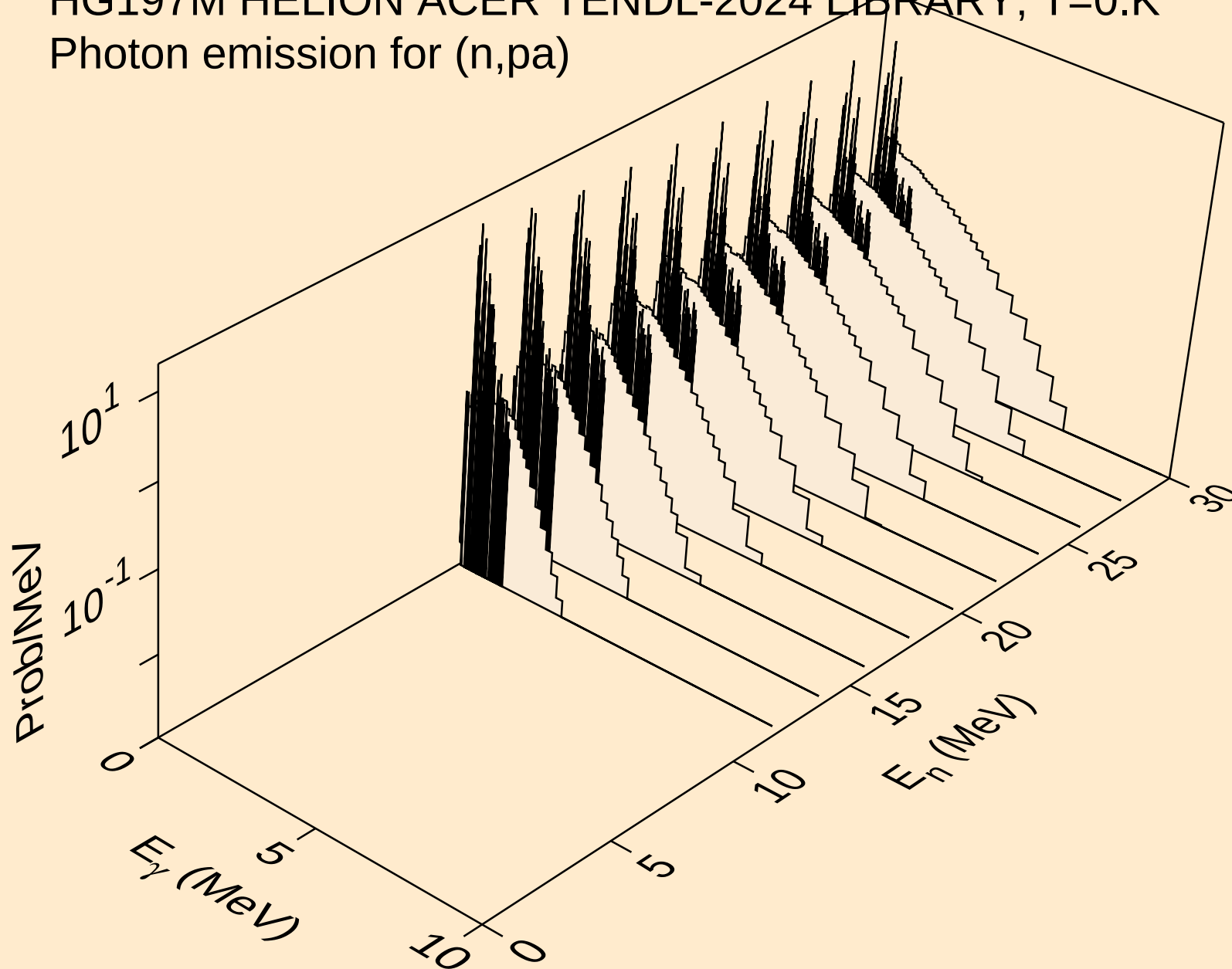
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Photon emission for (n,2a)



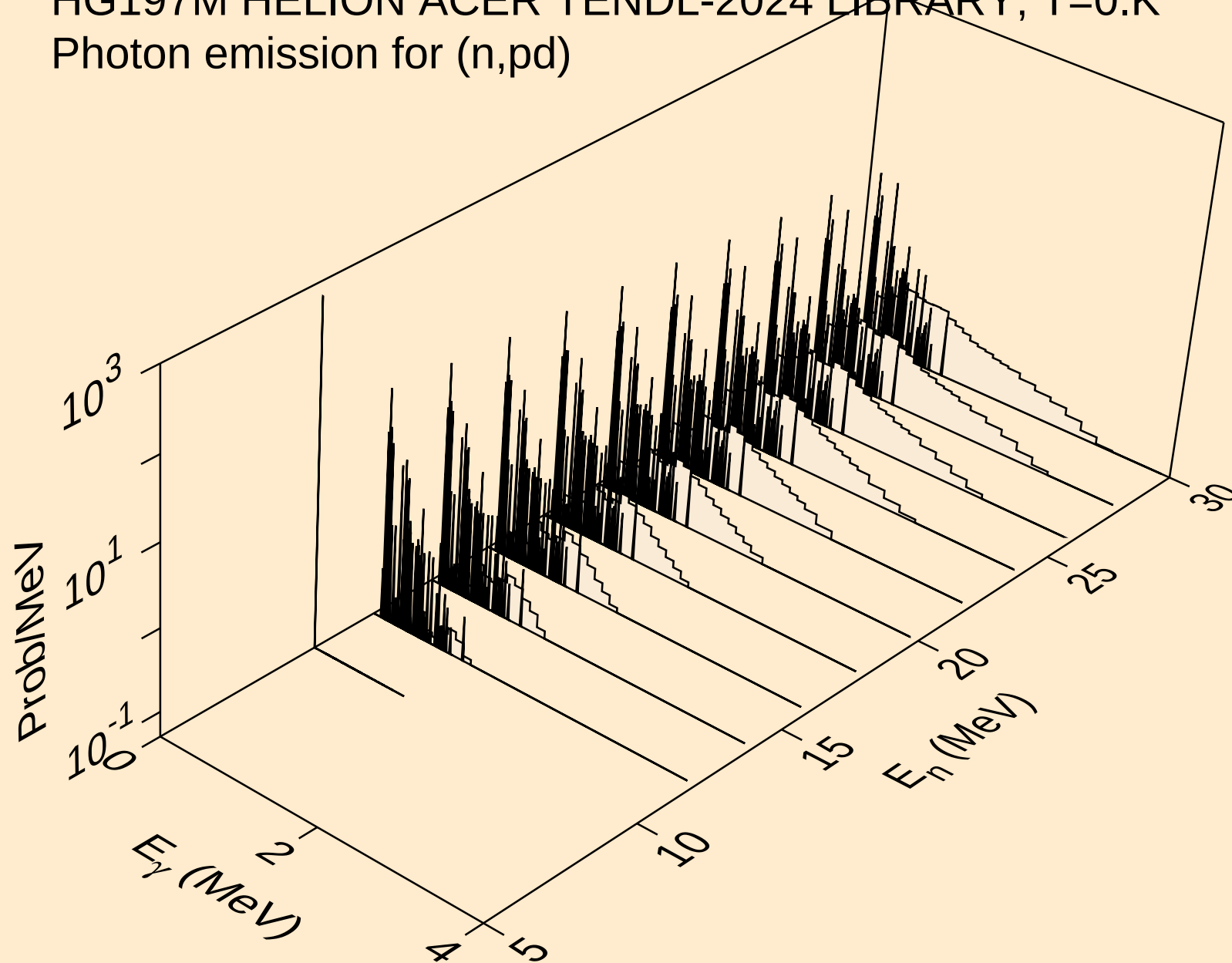
HG197M HELION ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



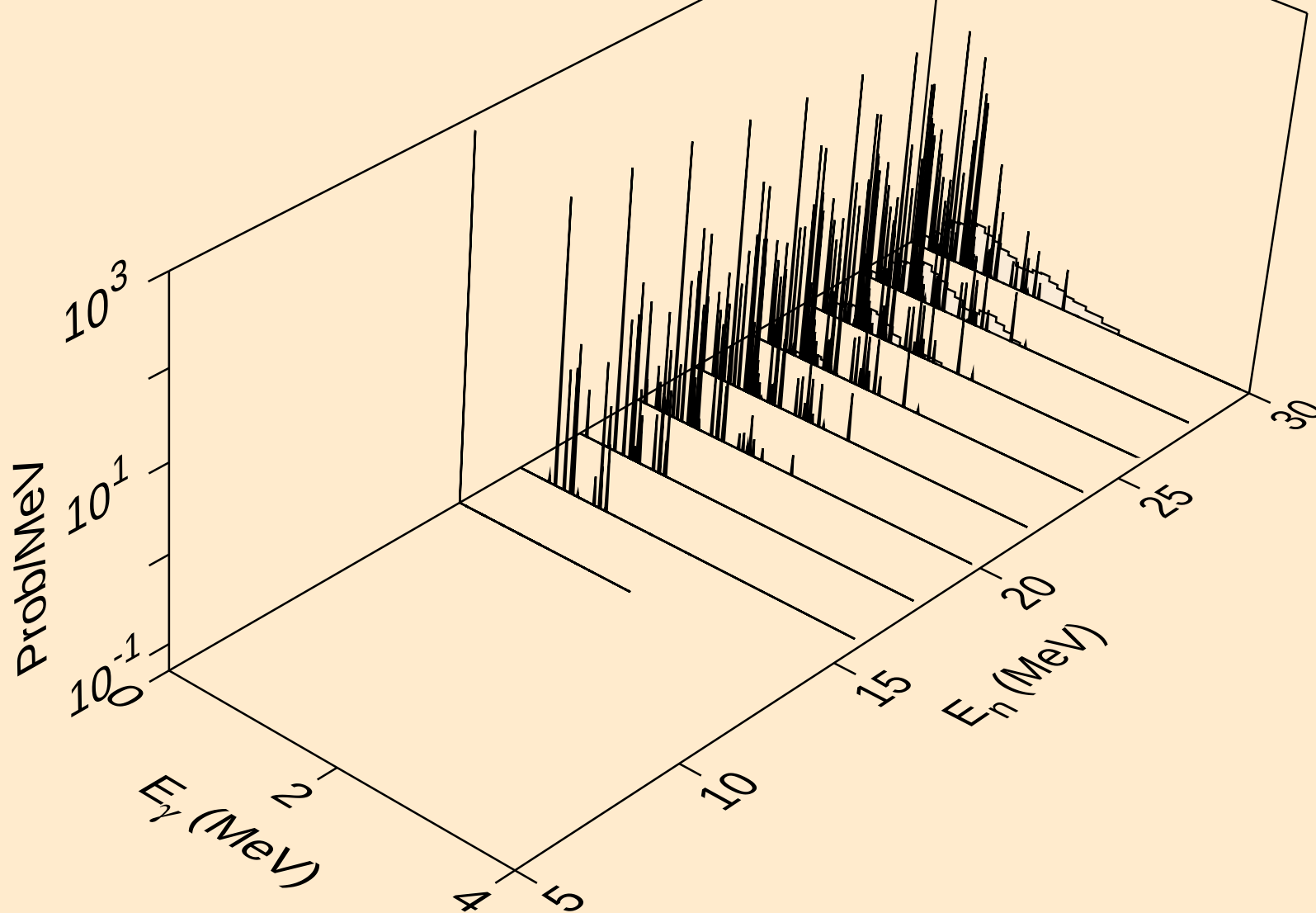
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Photon emission for (n,p $\alpha$ )



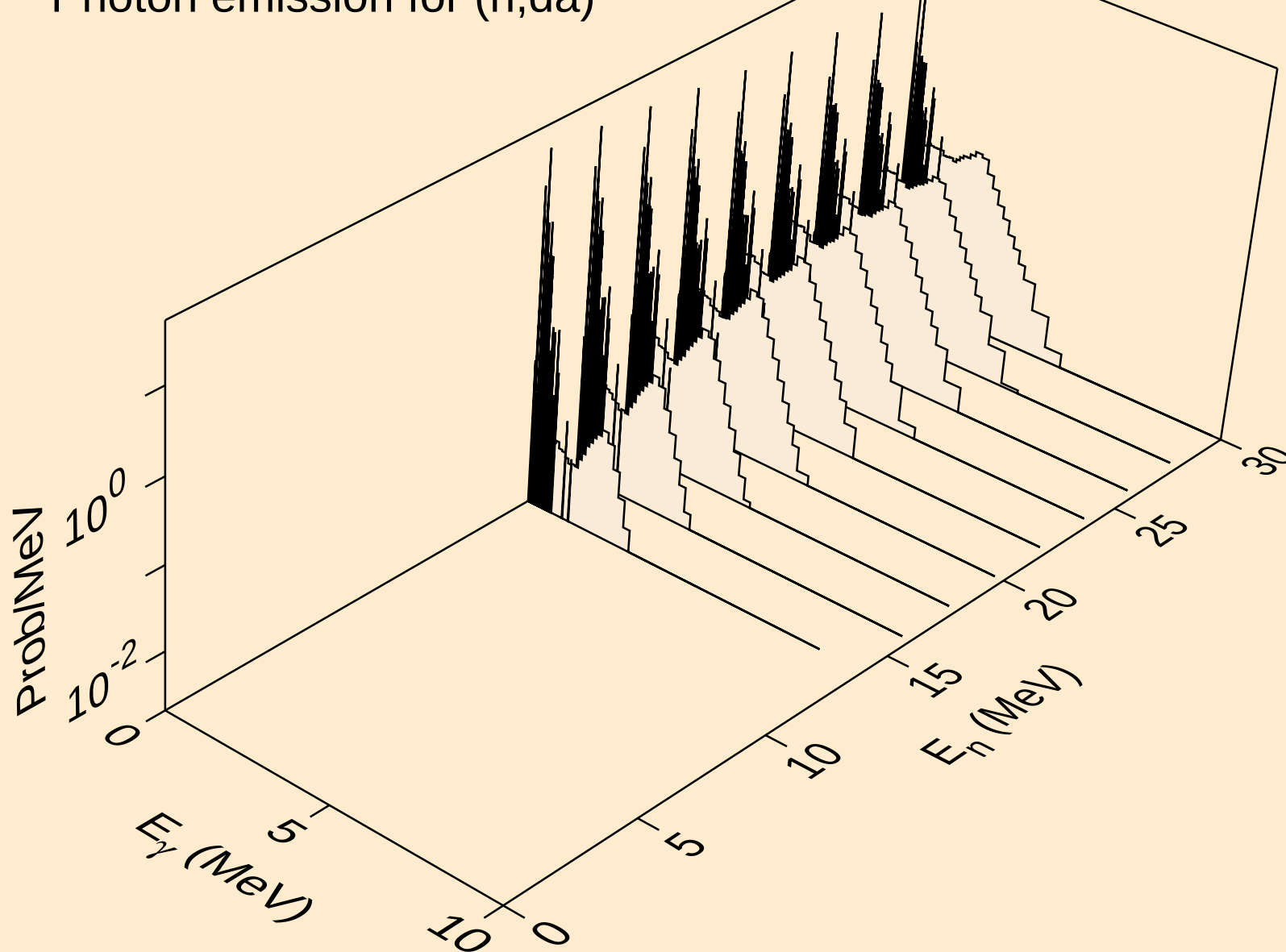
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

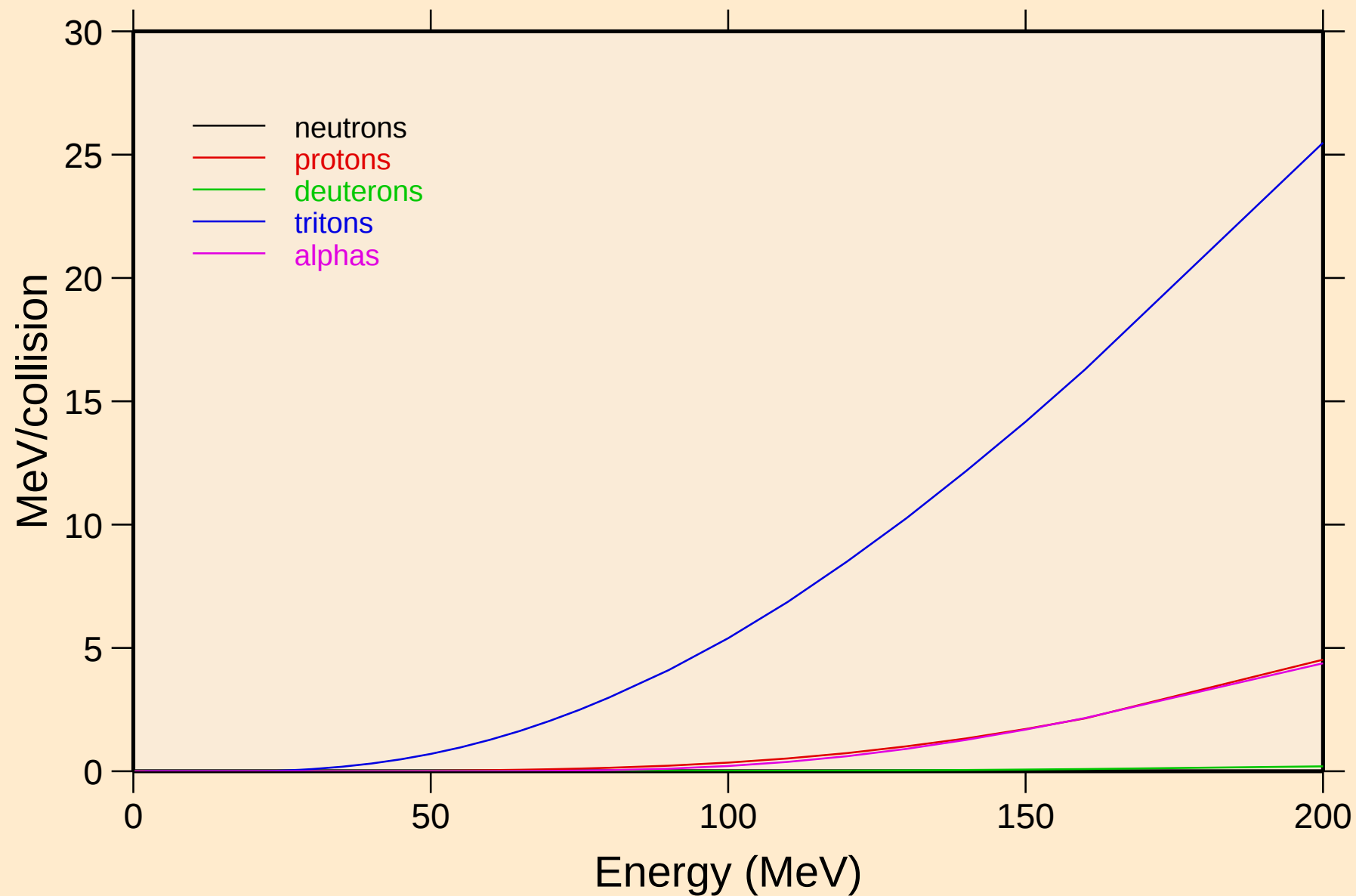


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Photon emission for (n,da)



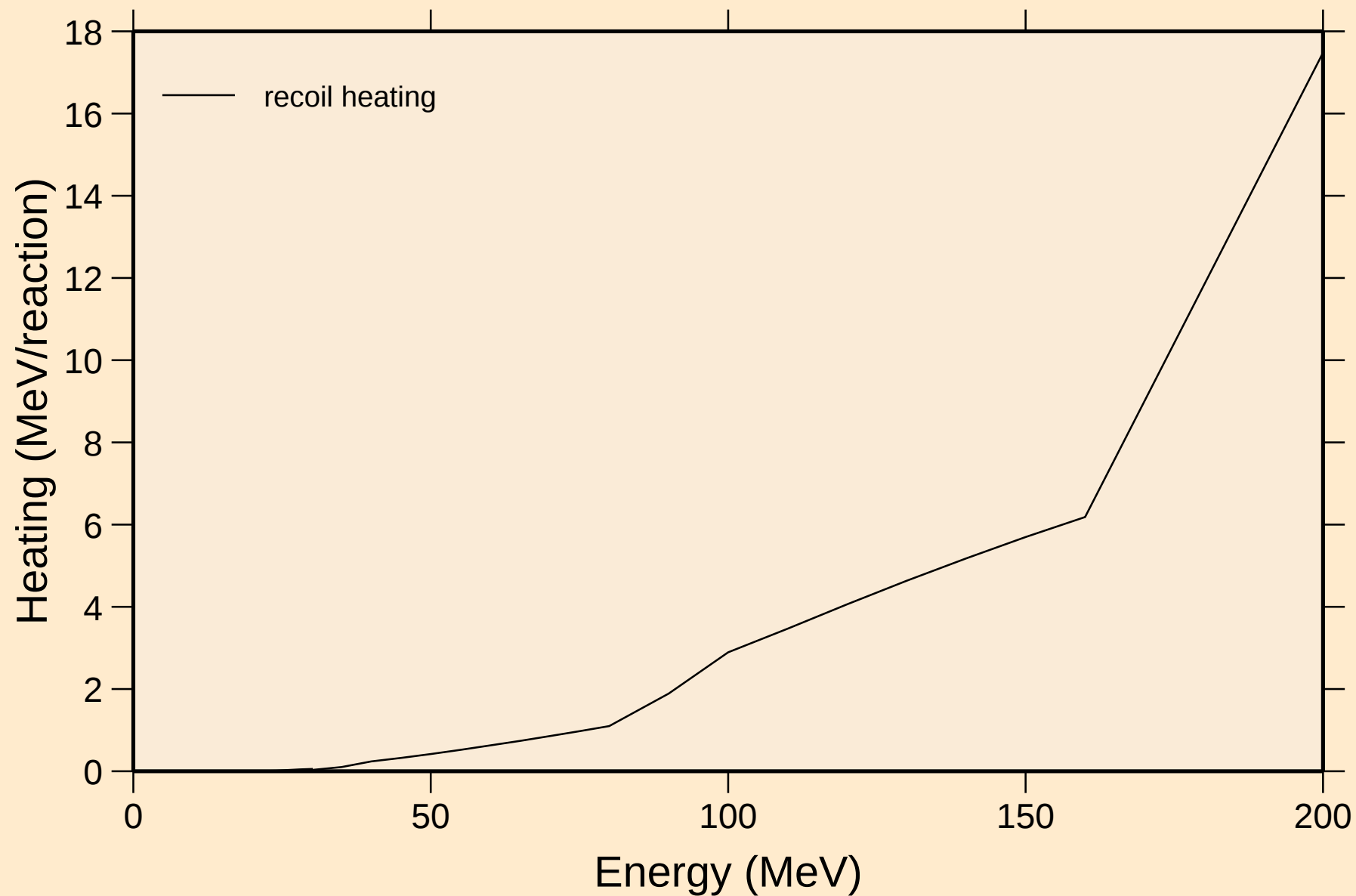
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## Particle heating contributions



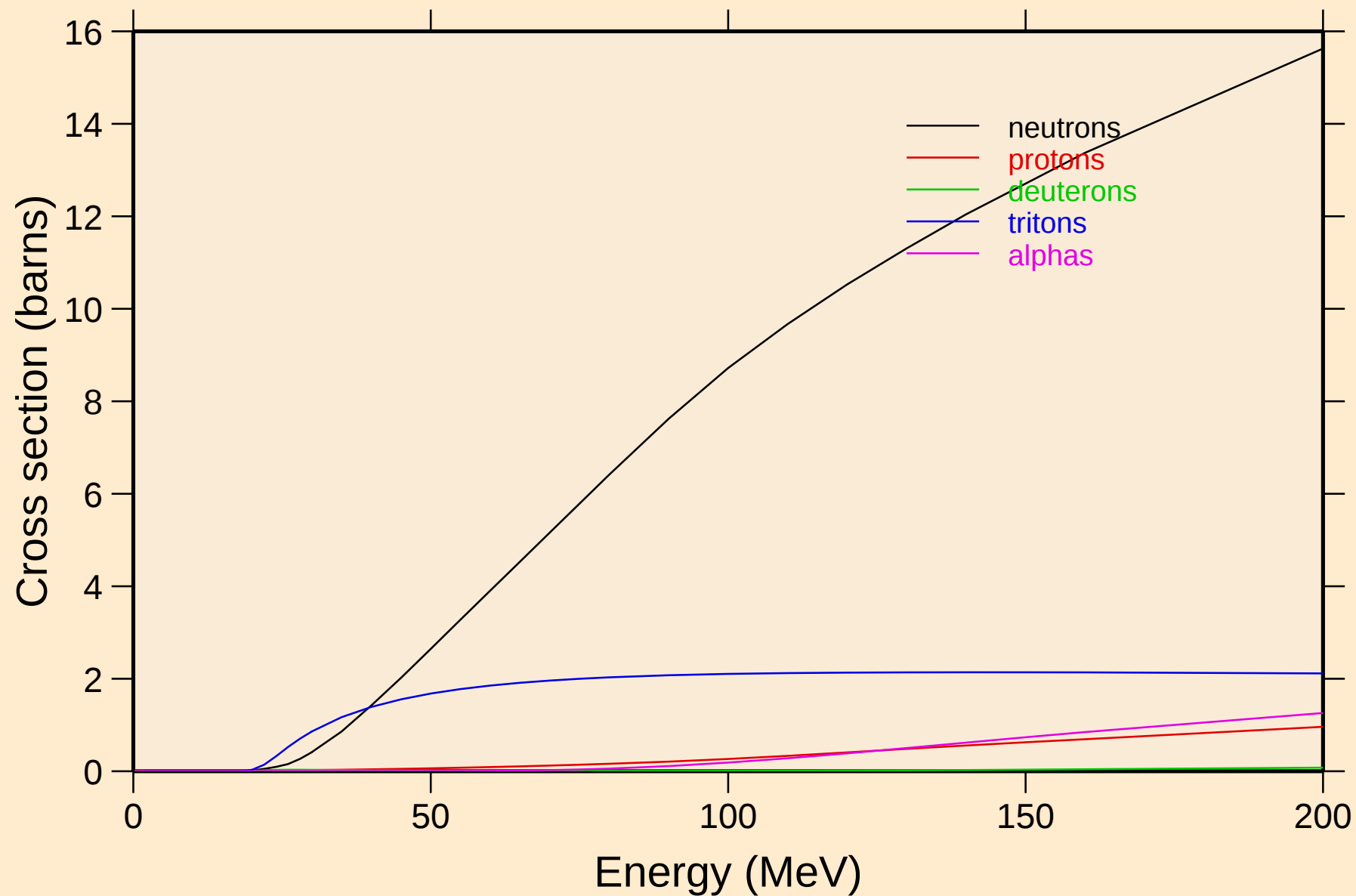
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Recoil Heating

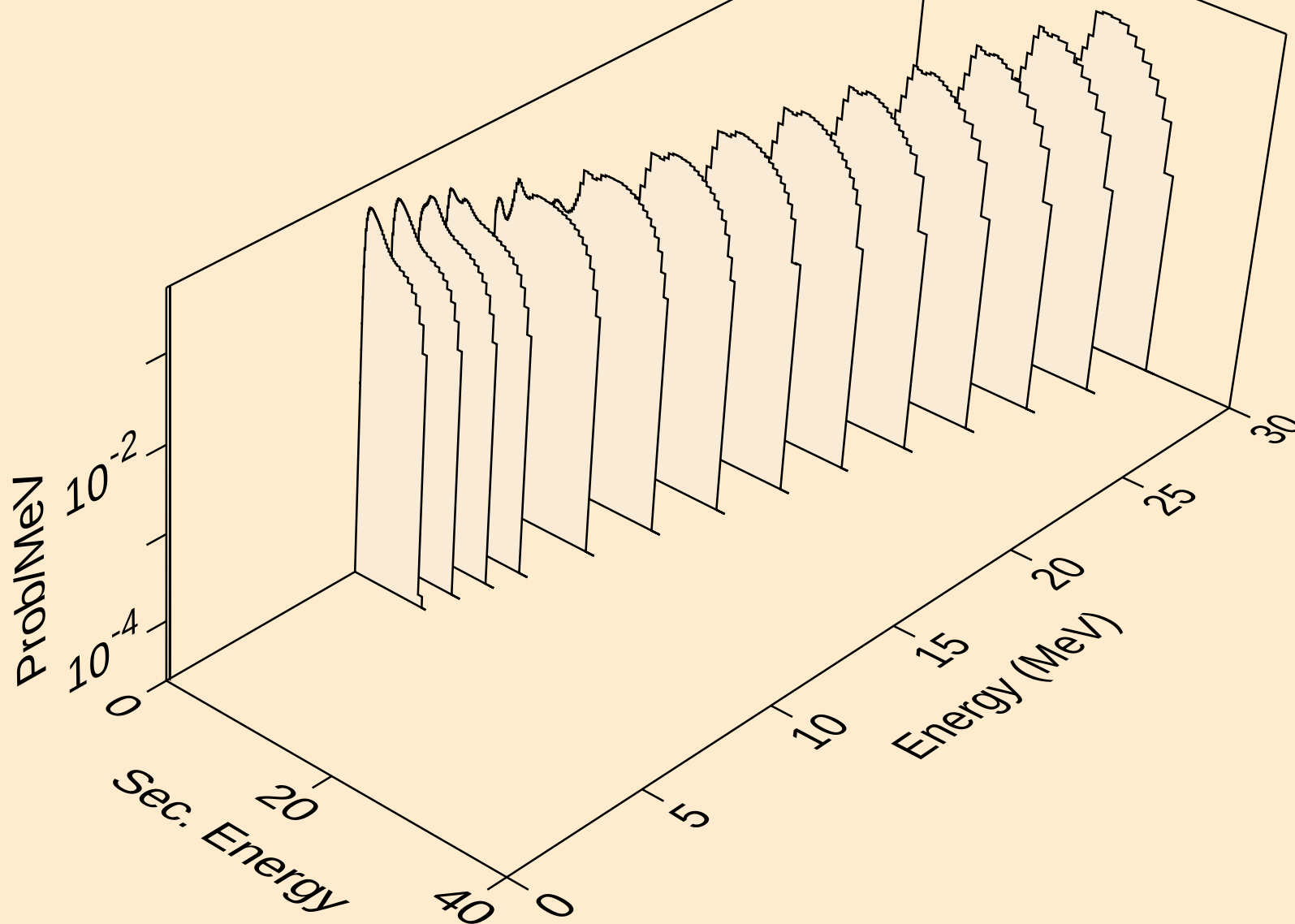


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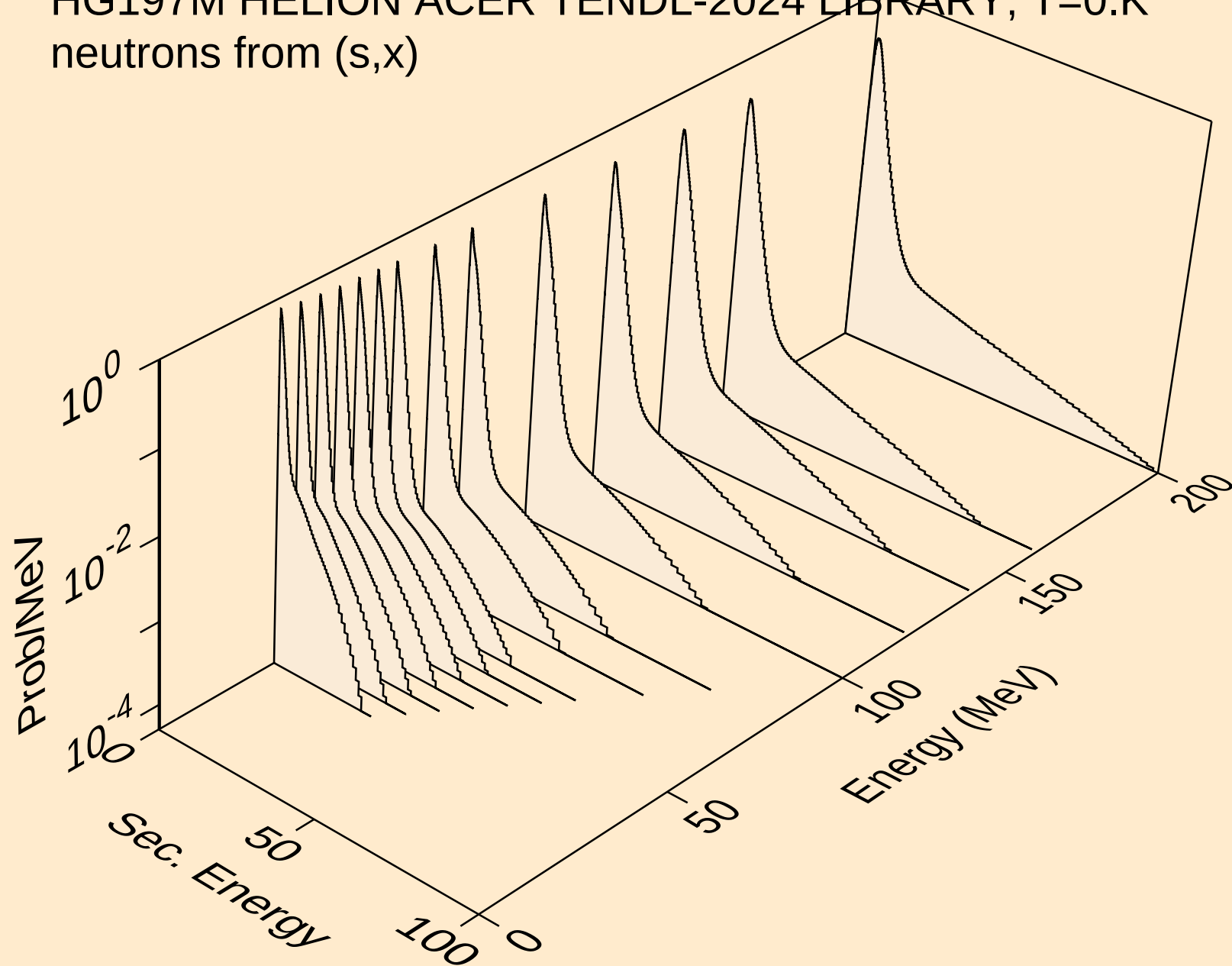
## Particle production cross sections



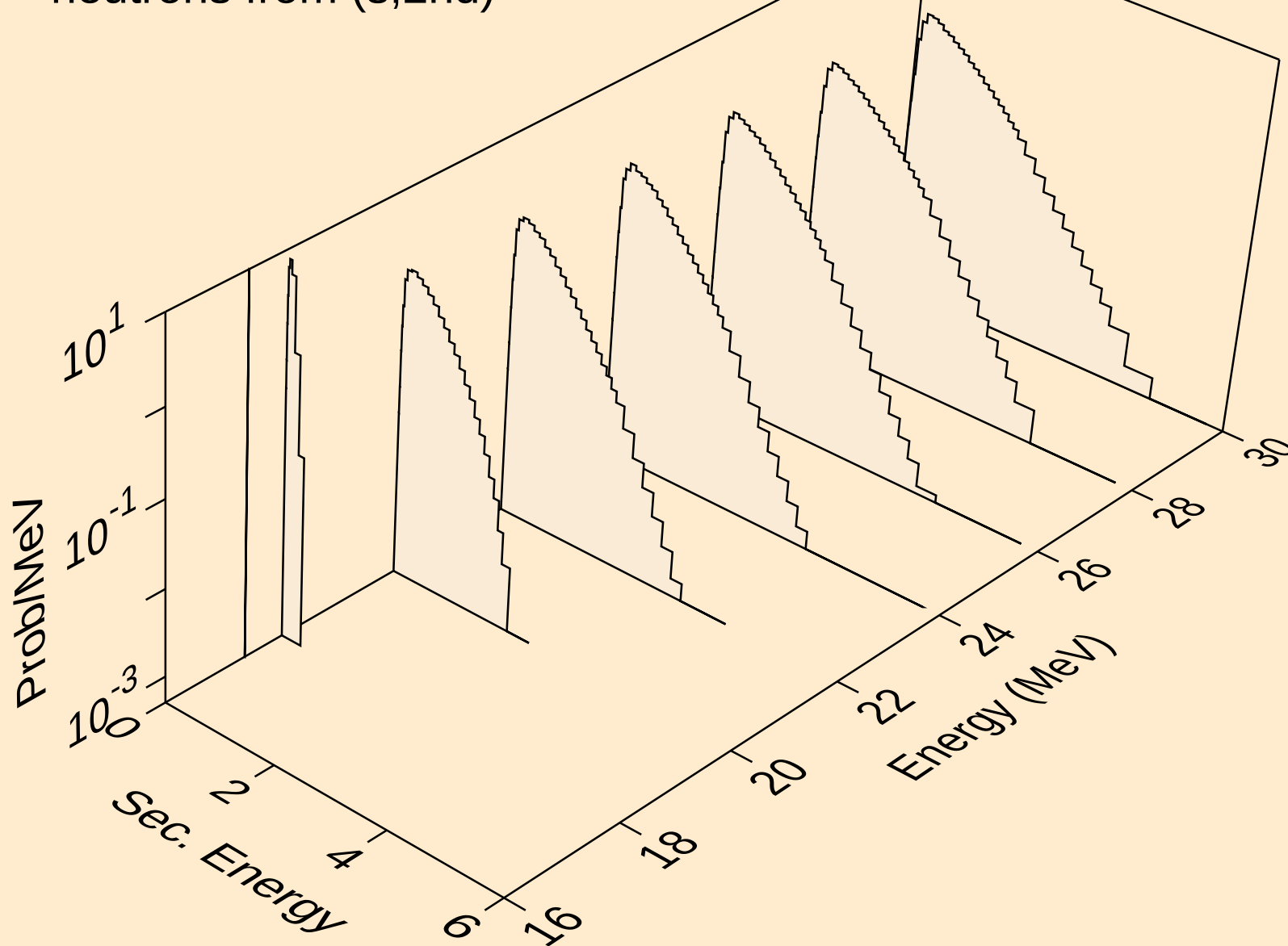
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



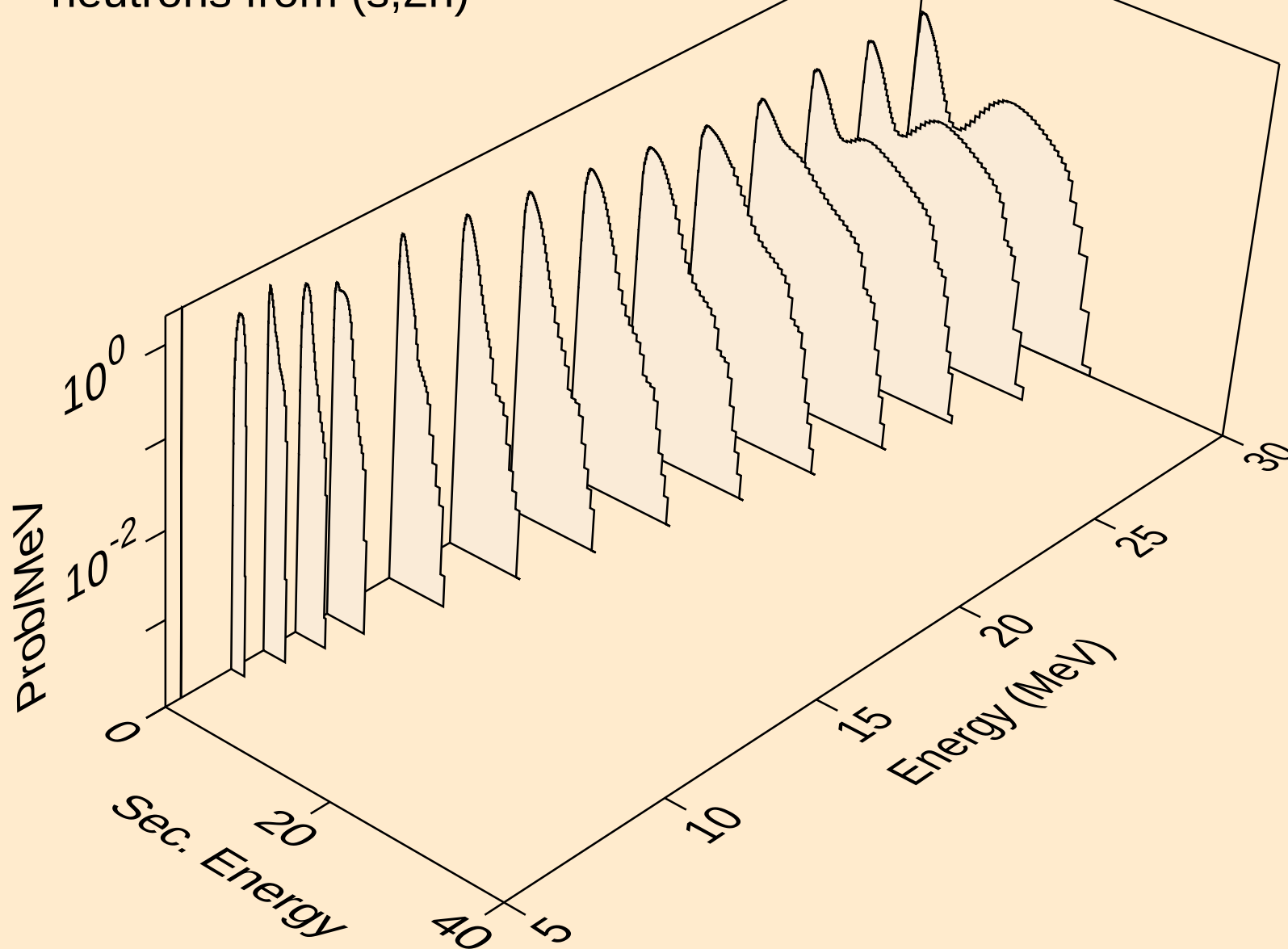
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neutrons from (s,x)



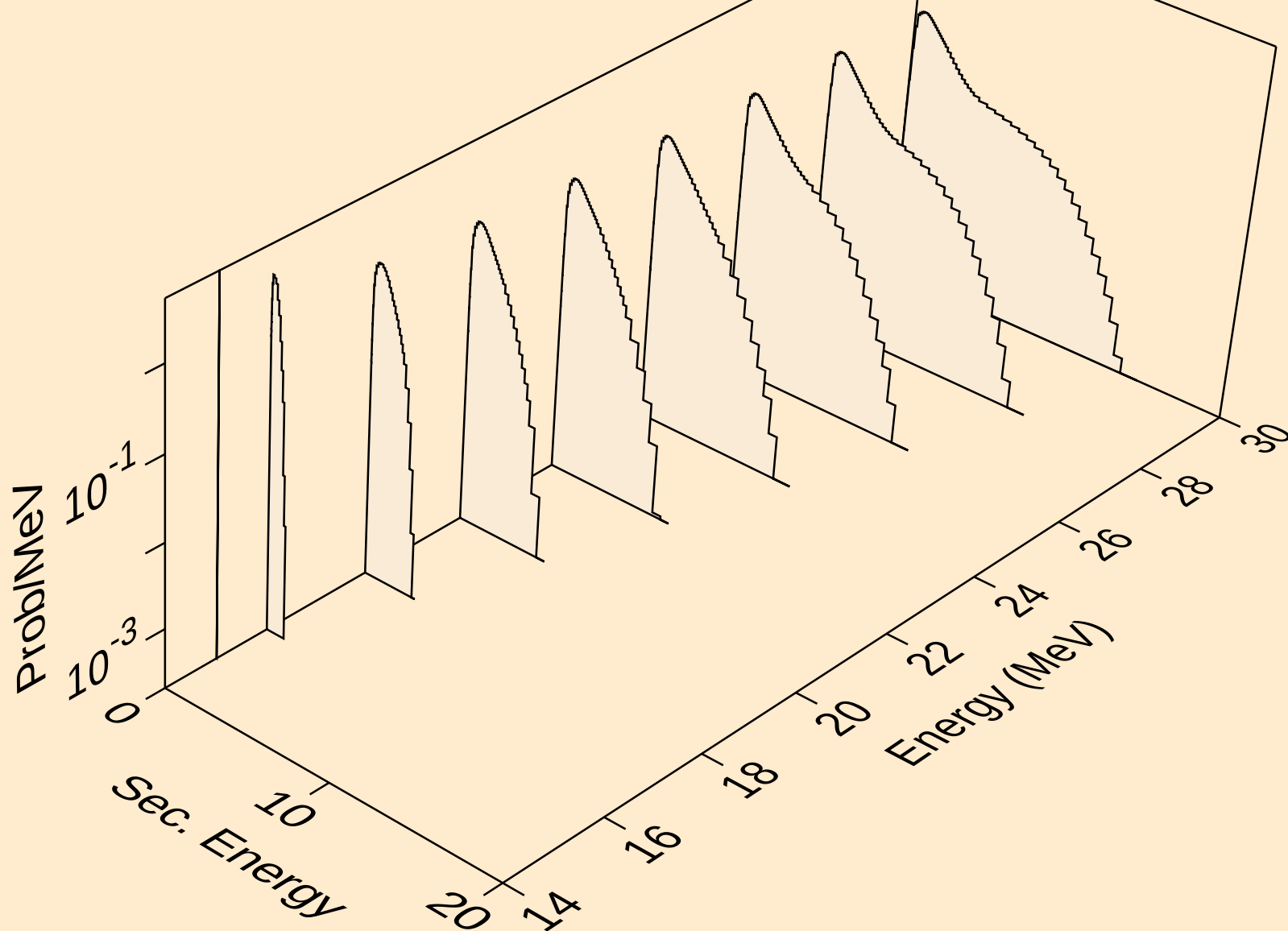
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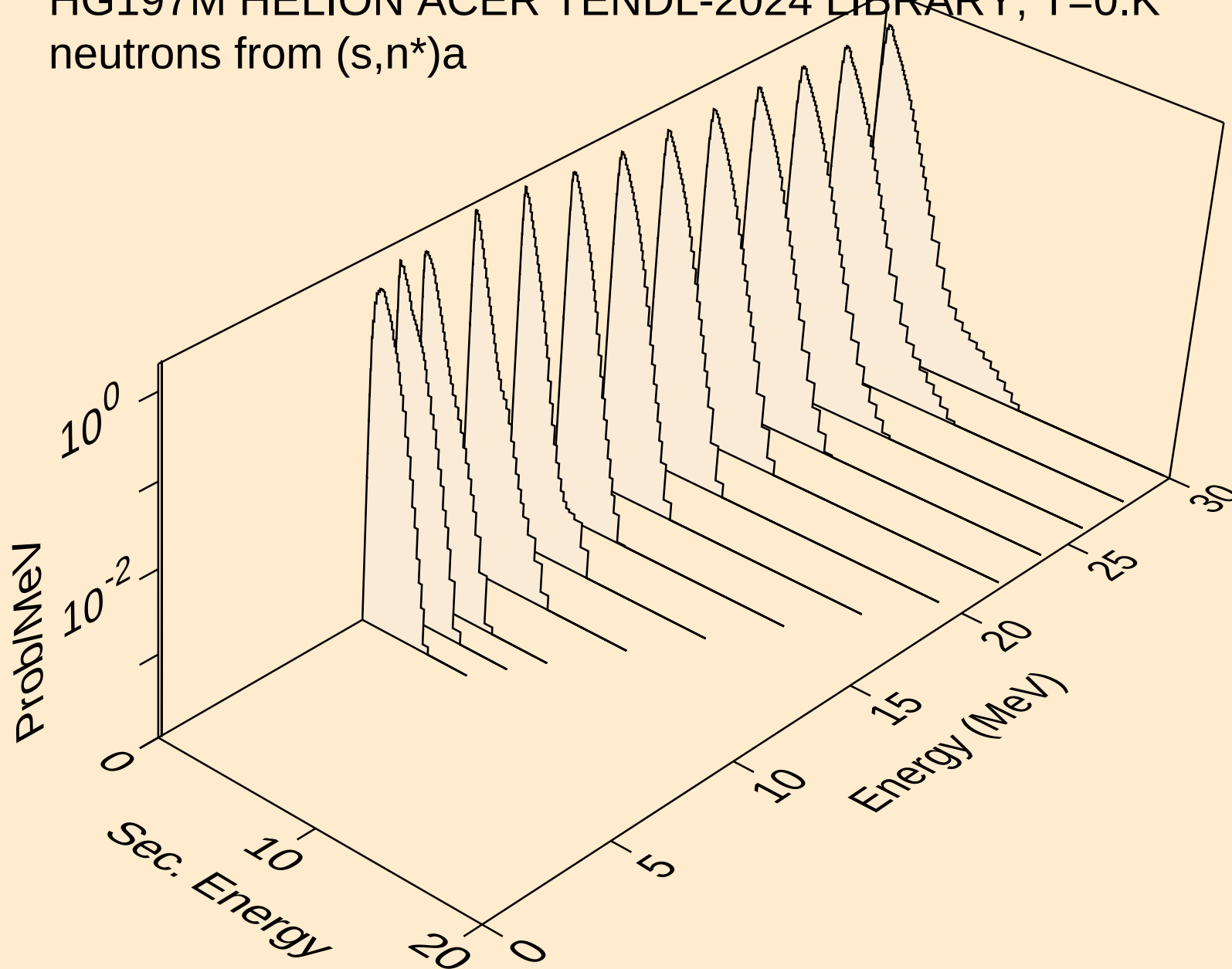
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neutrons from (s,2n)



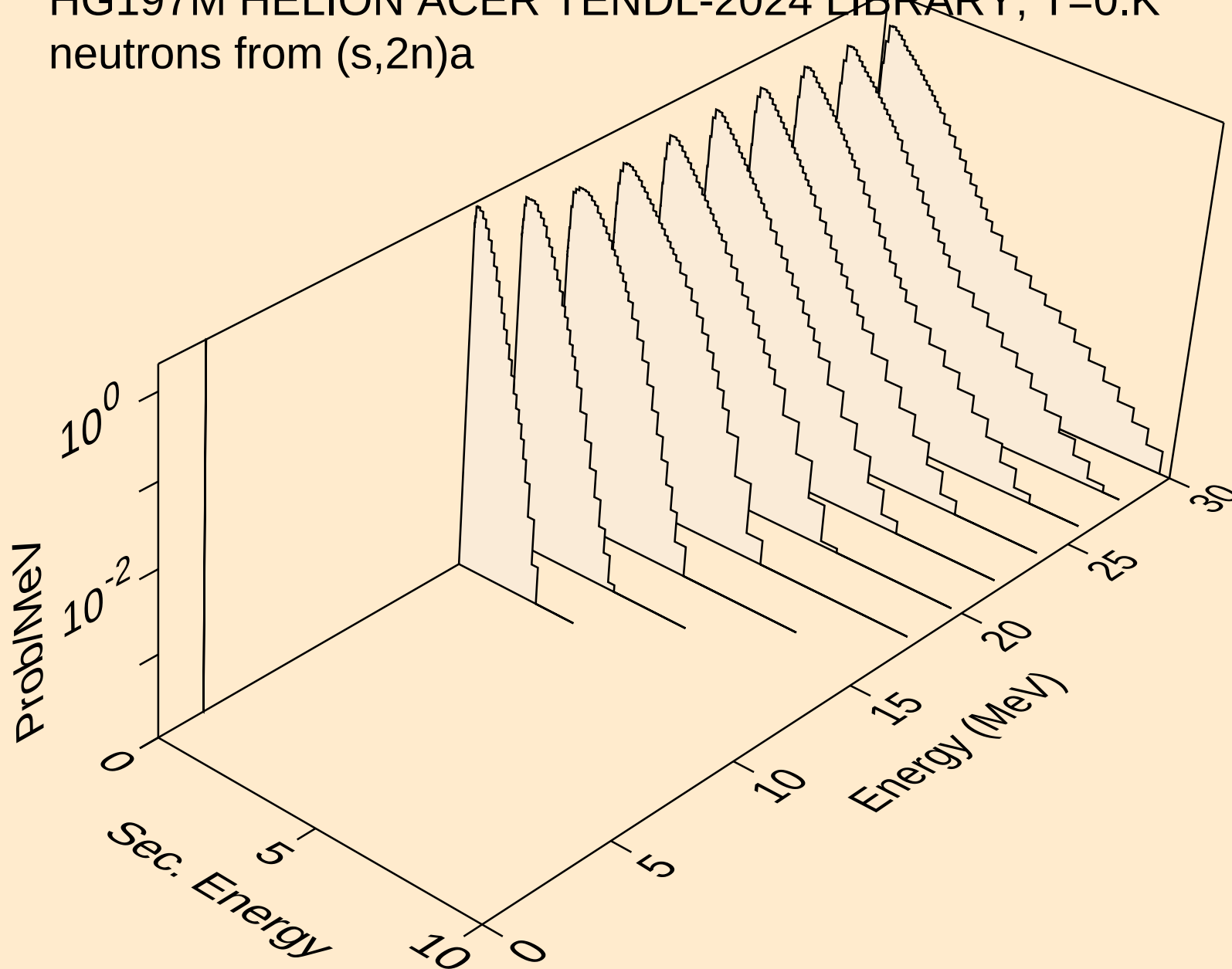
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neutrons from (s,3n)



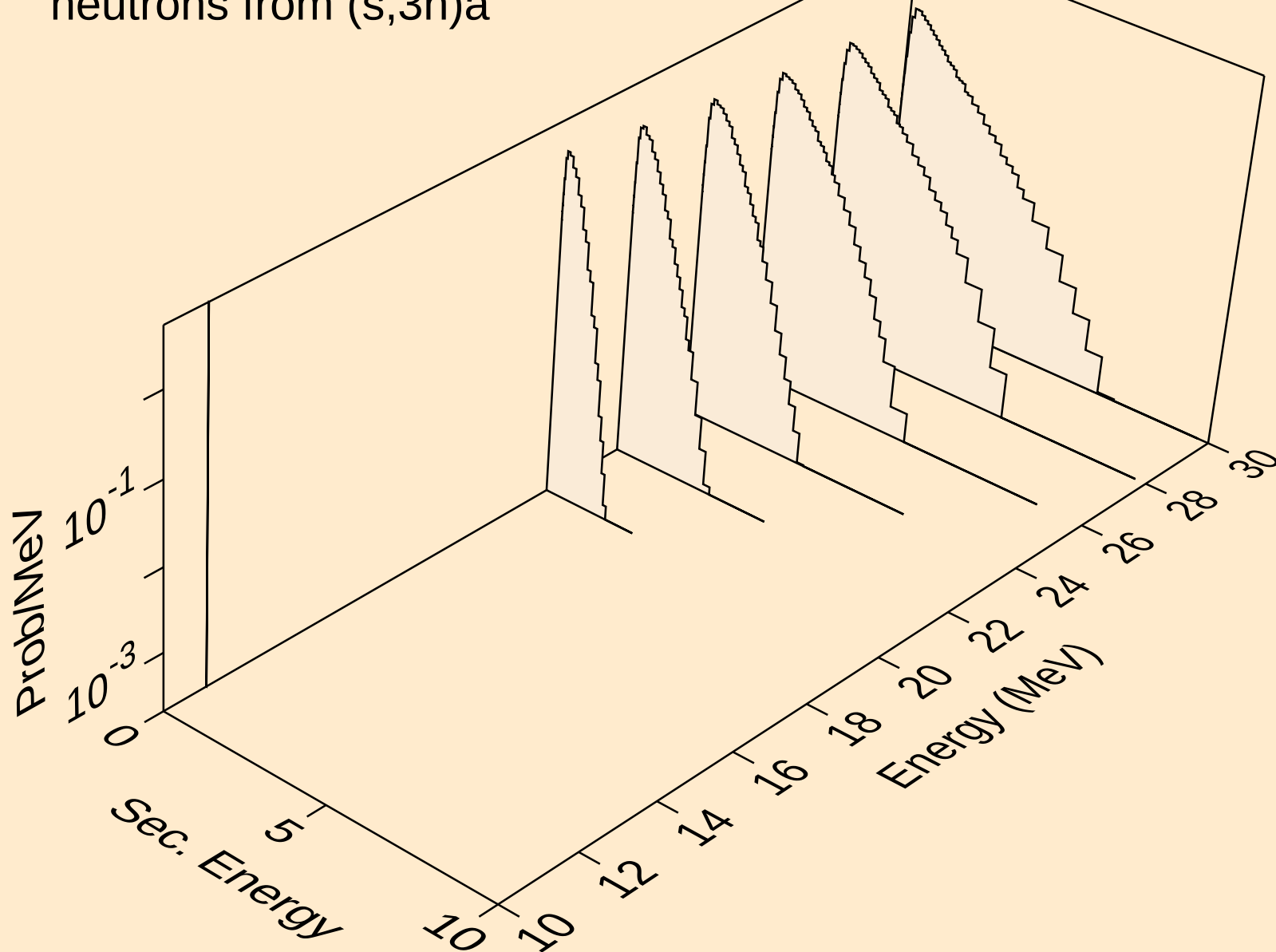
HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



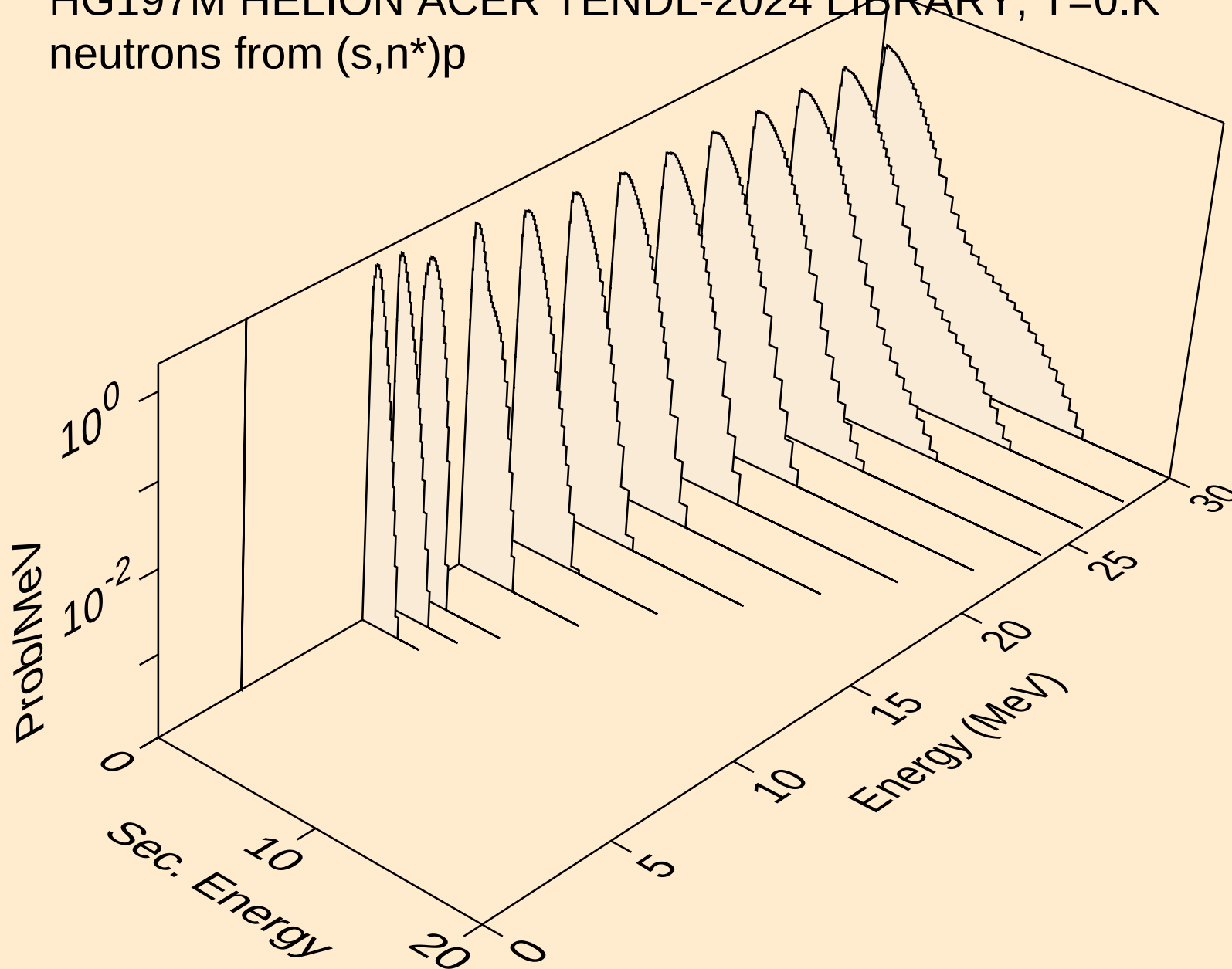
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neutrons from (s,2n)a



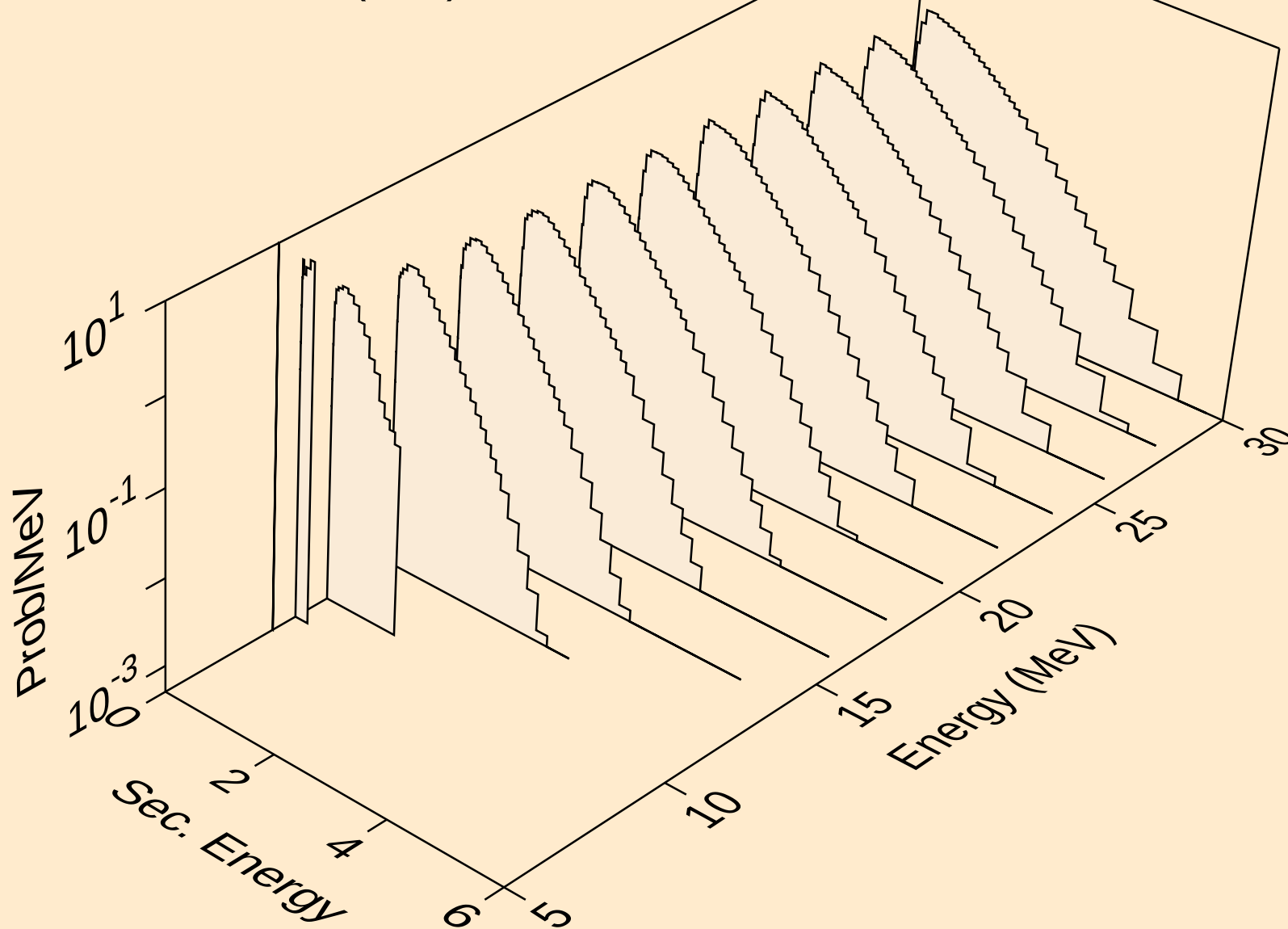
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neutrons from (s,3n)a



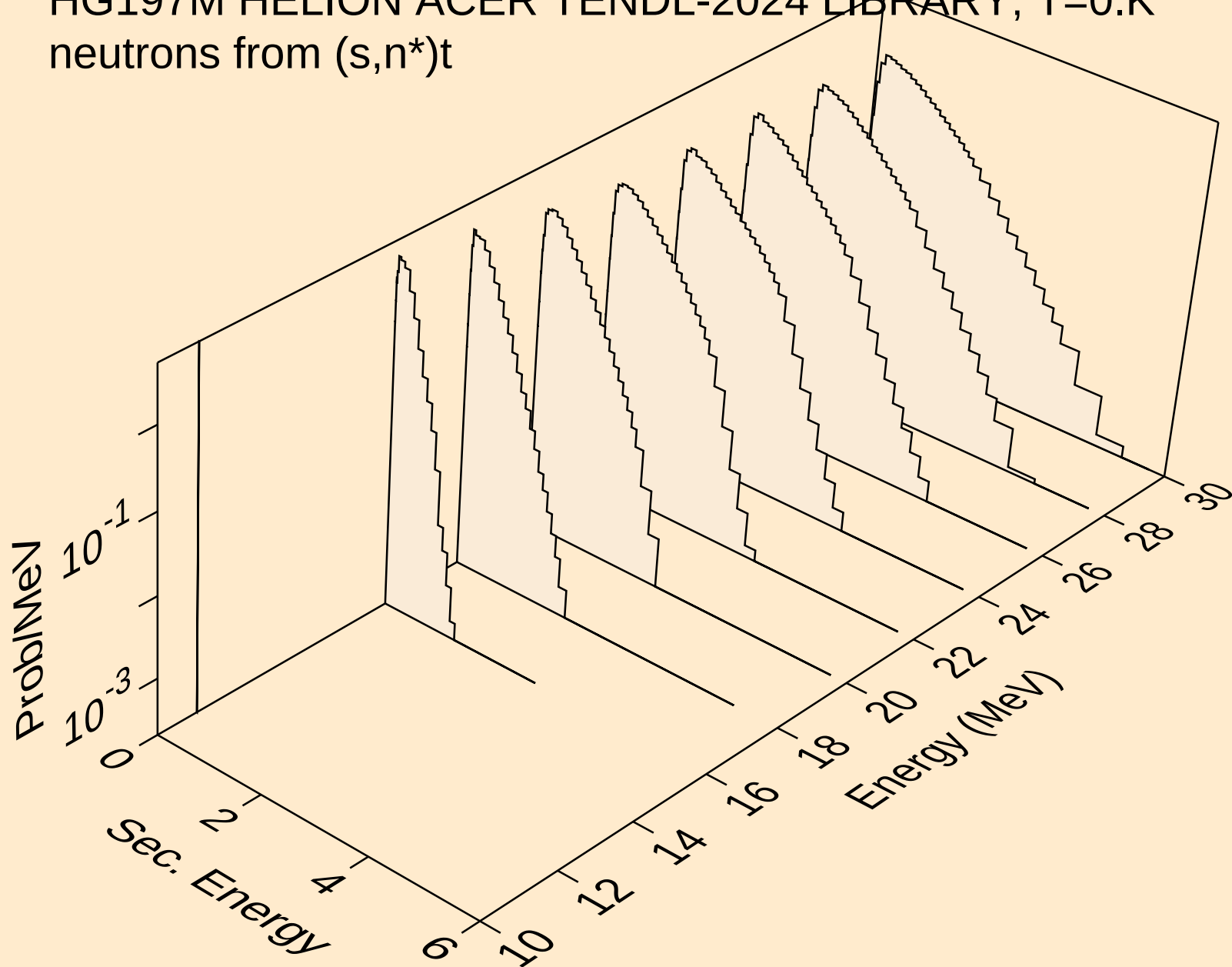
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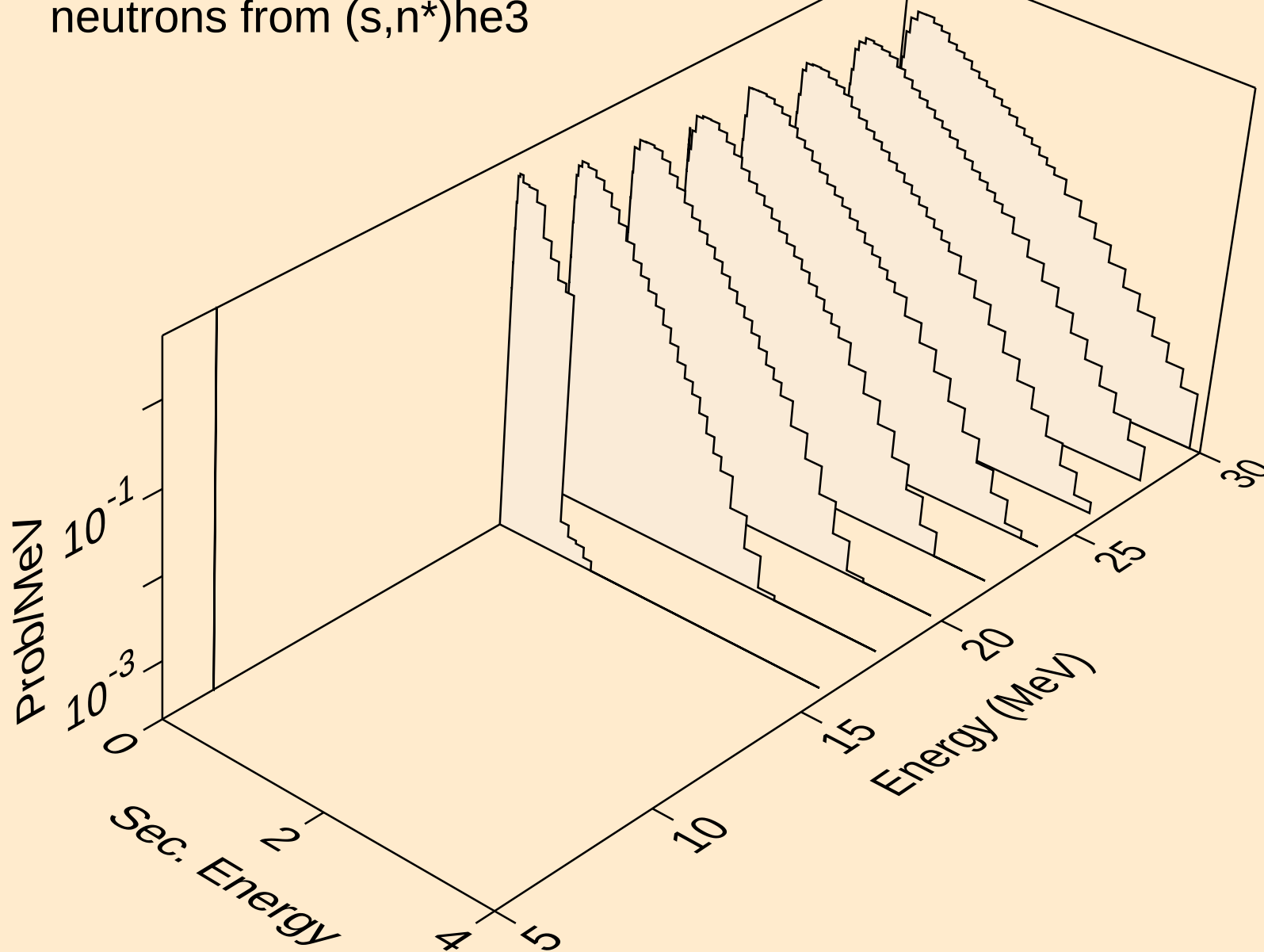
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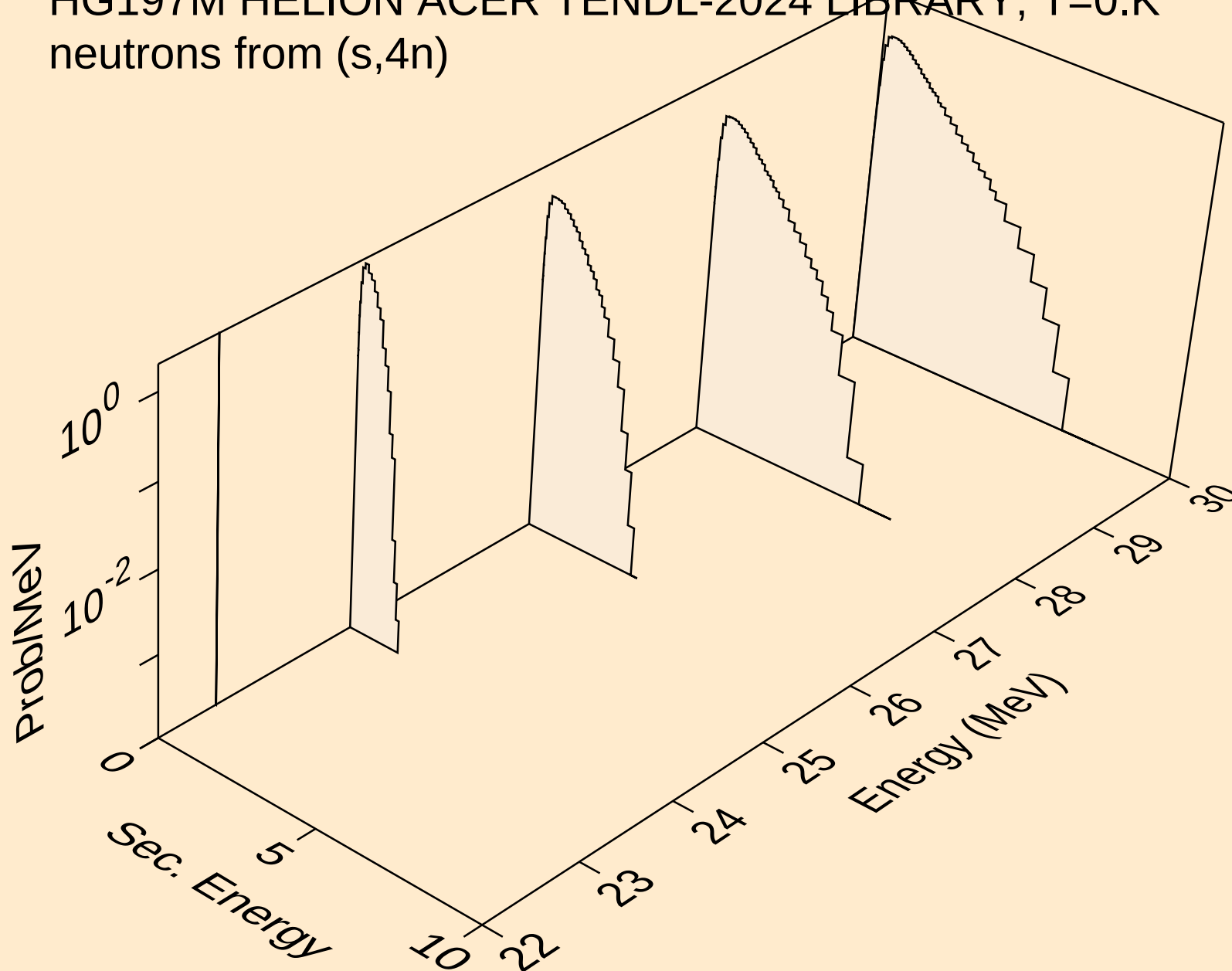
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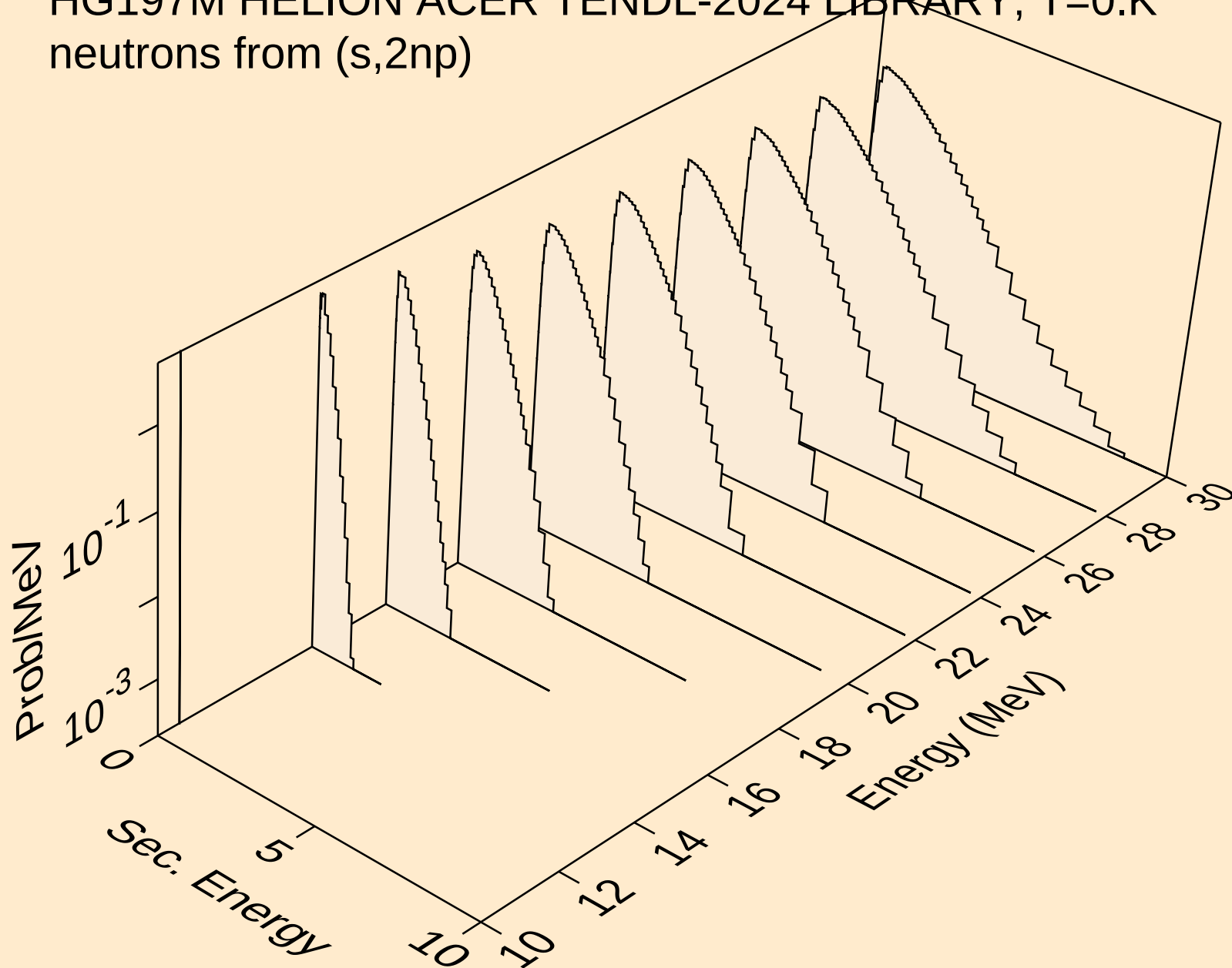
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neutrons from (s,n\*)he3



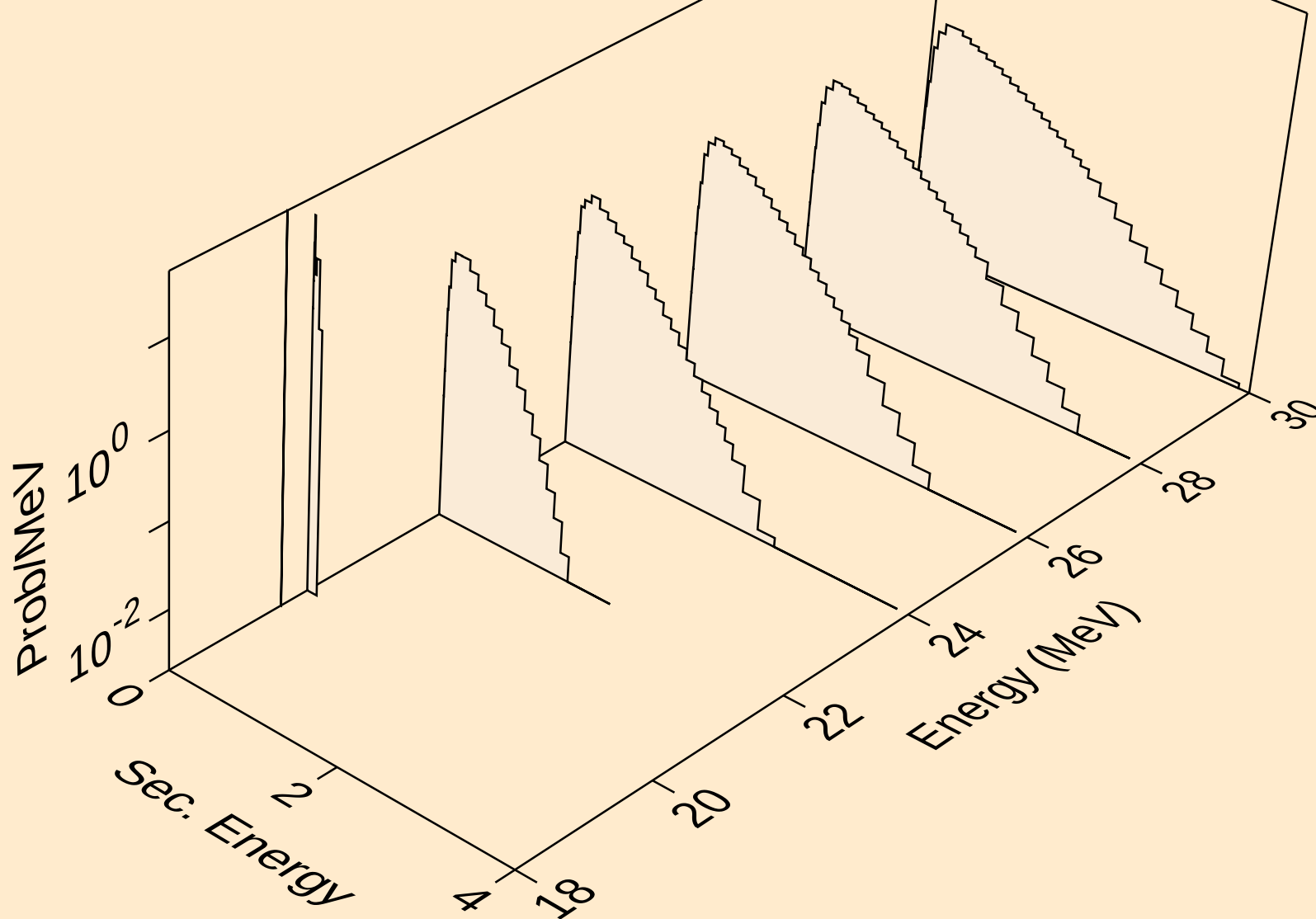
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neutrons from (s,4n)



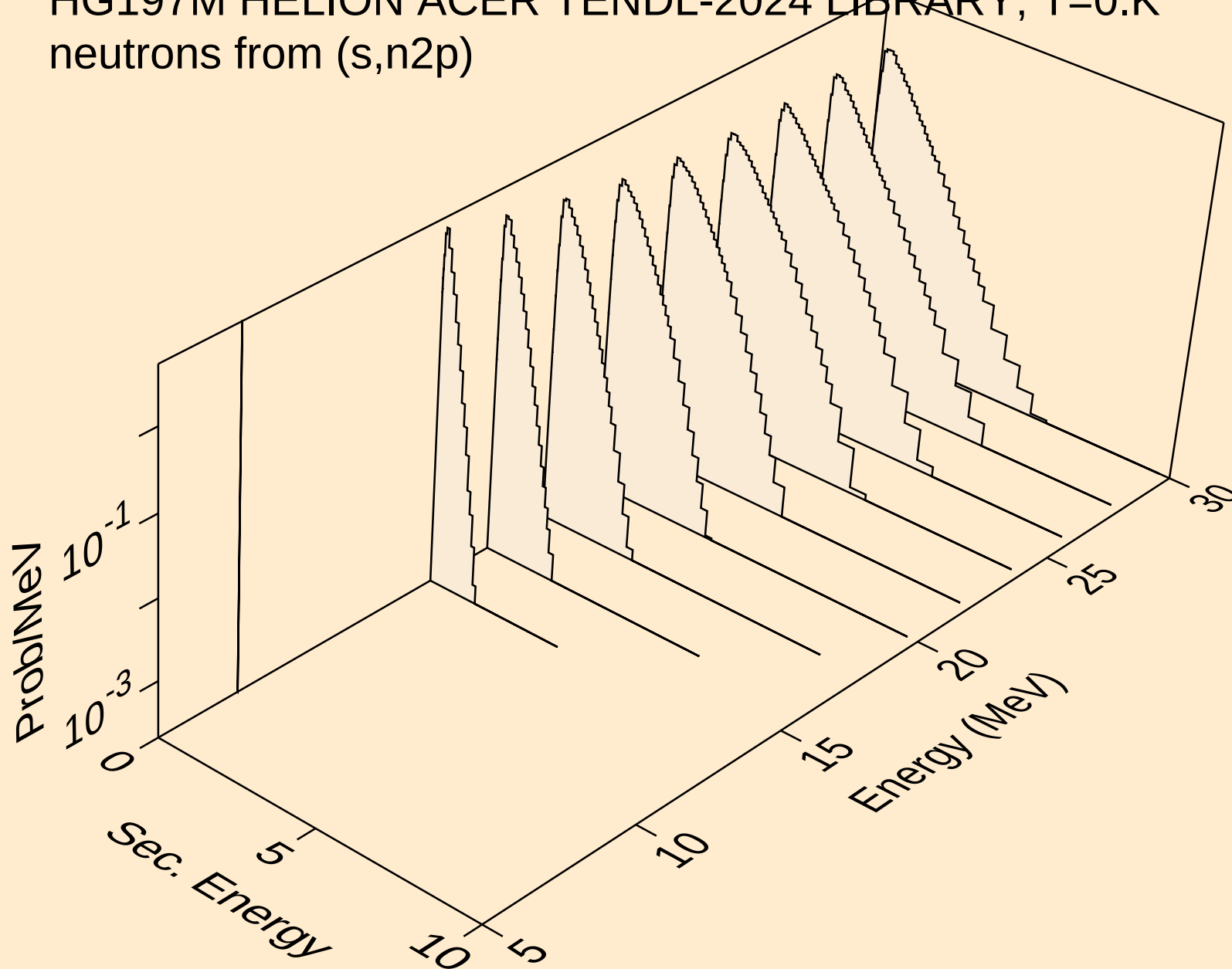
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neutrons from (s,2np)



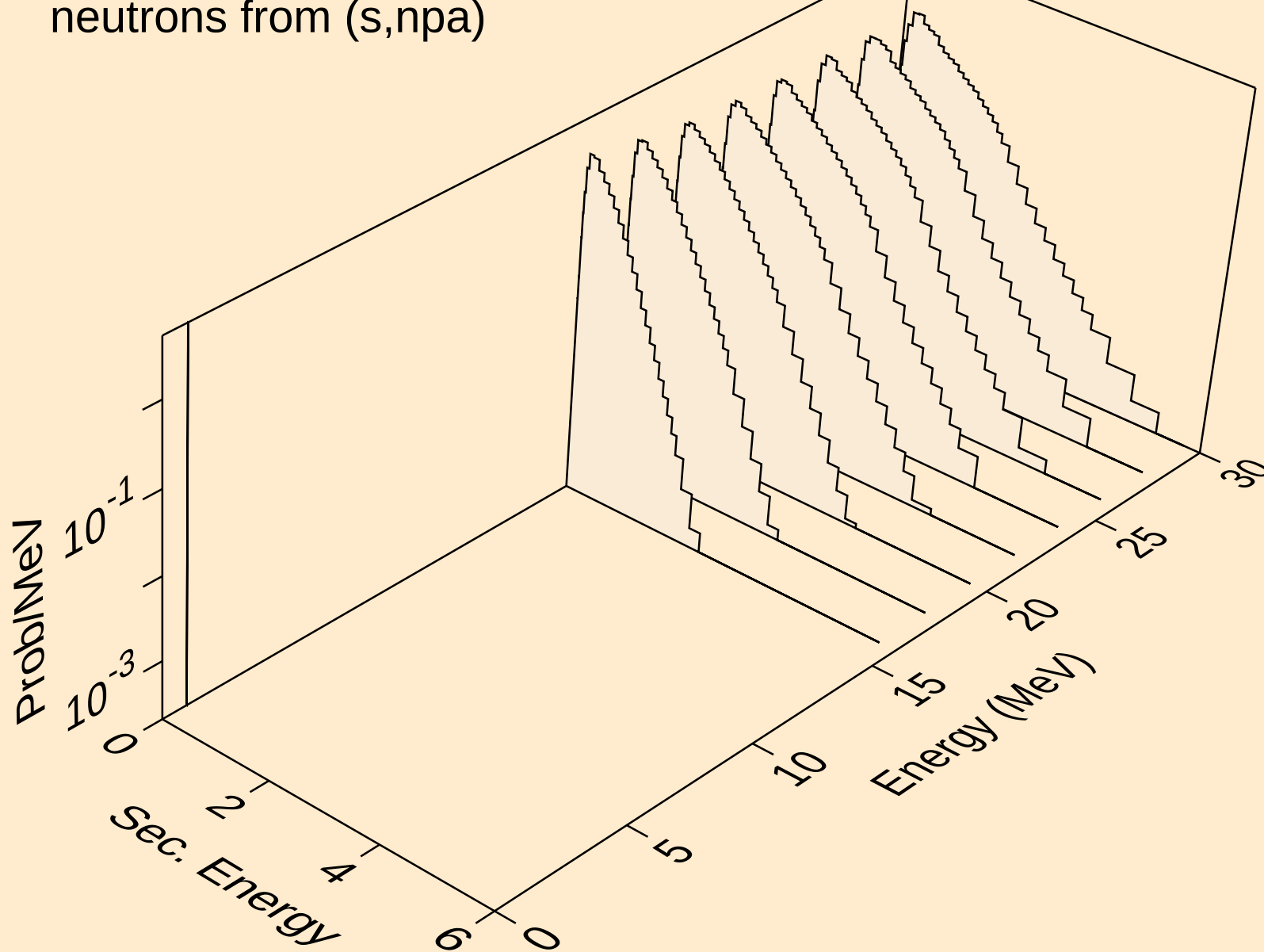
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neutrons from (s,3np)



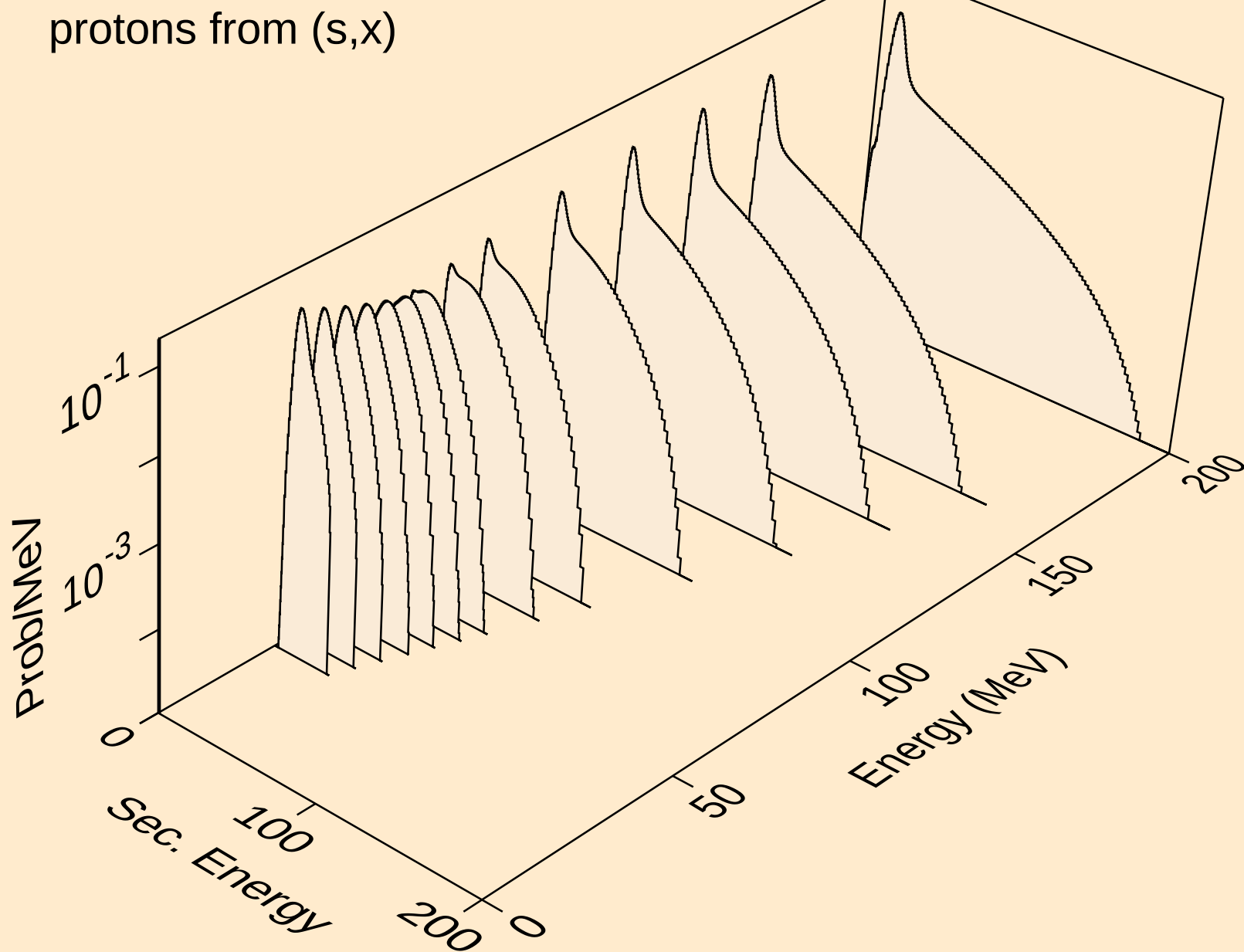
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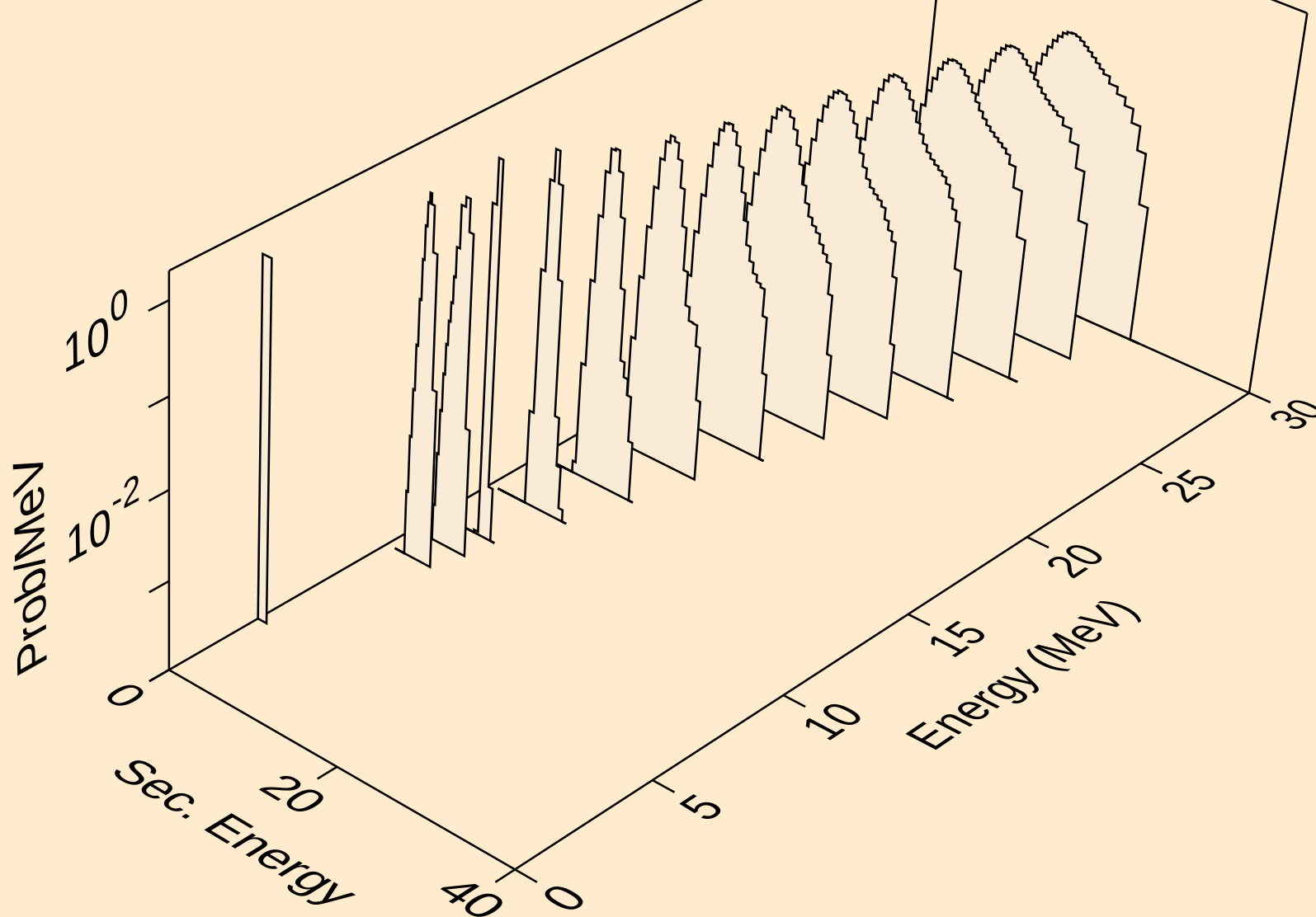
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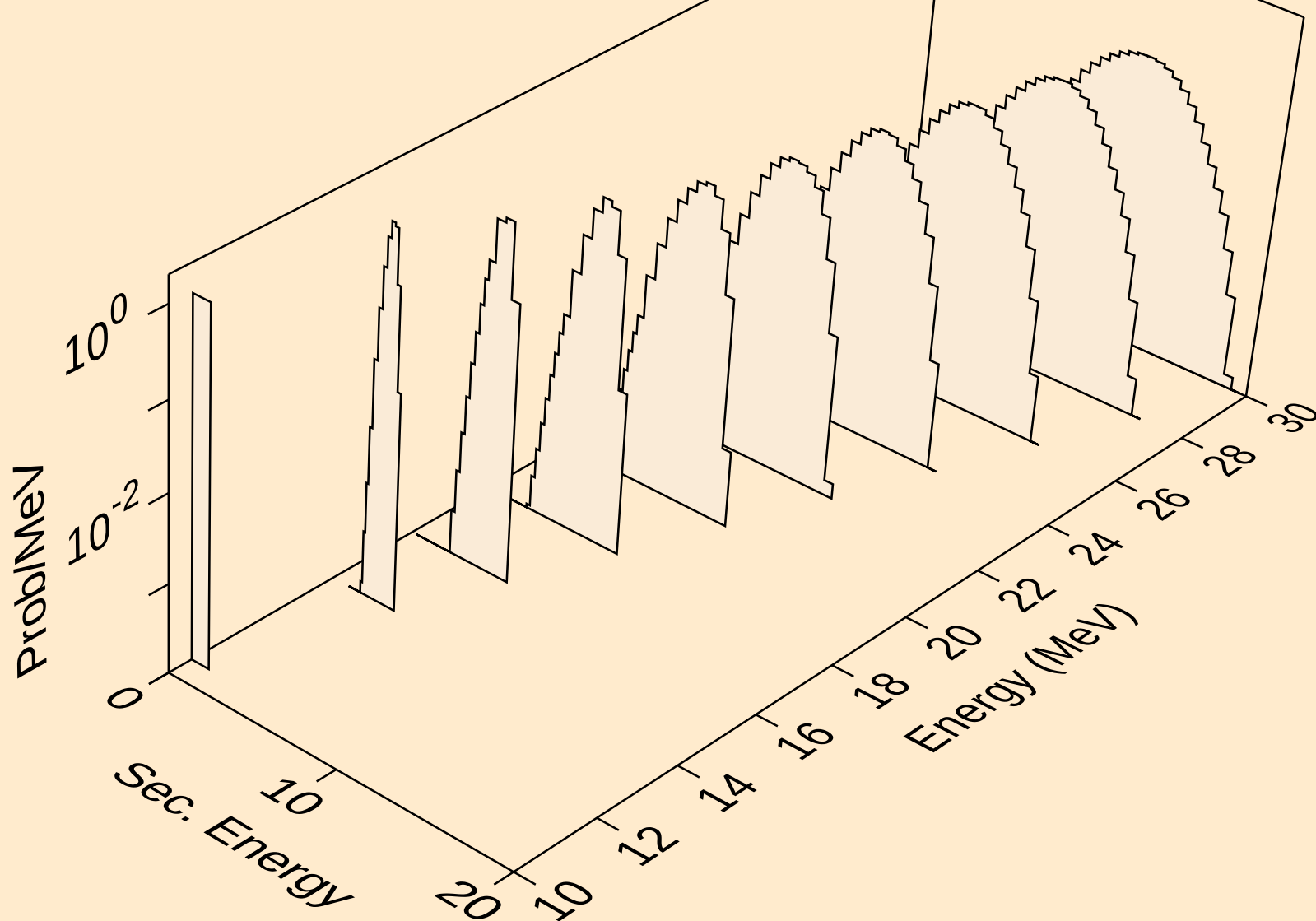
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protons from (s,x)



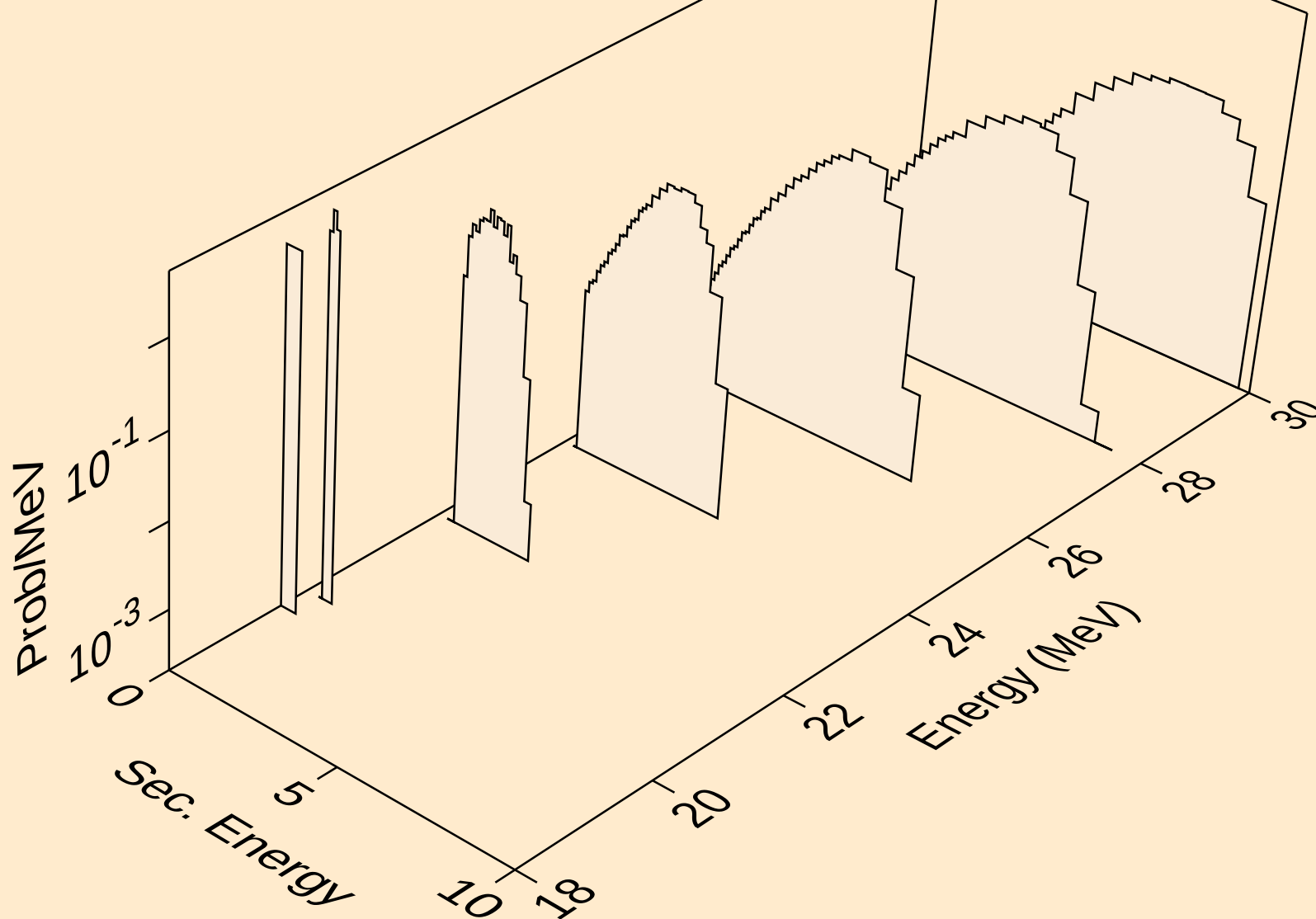
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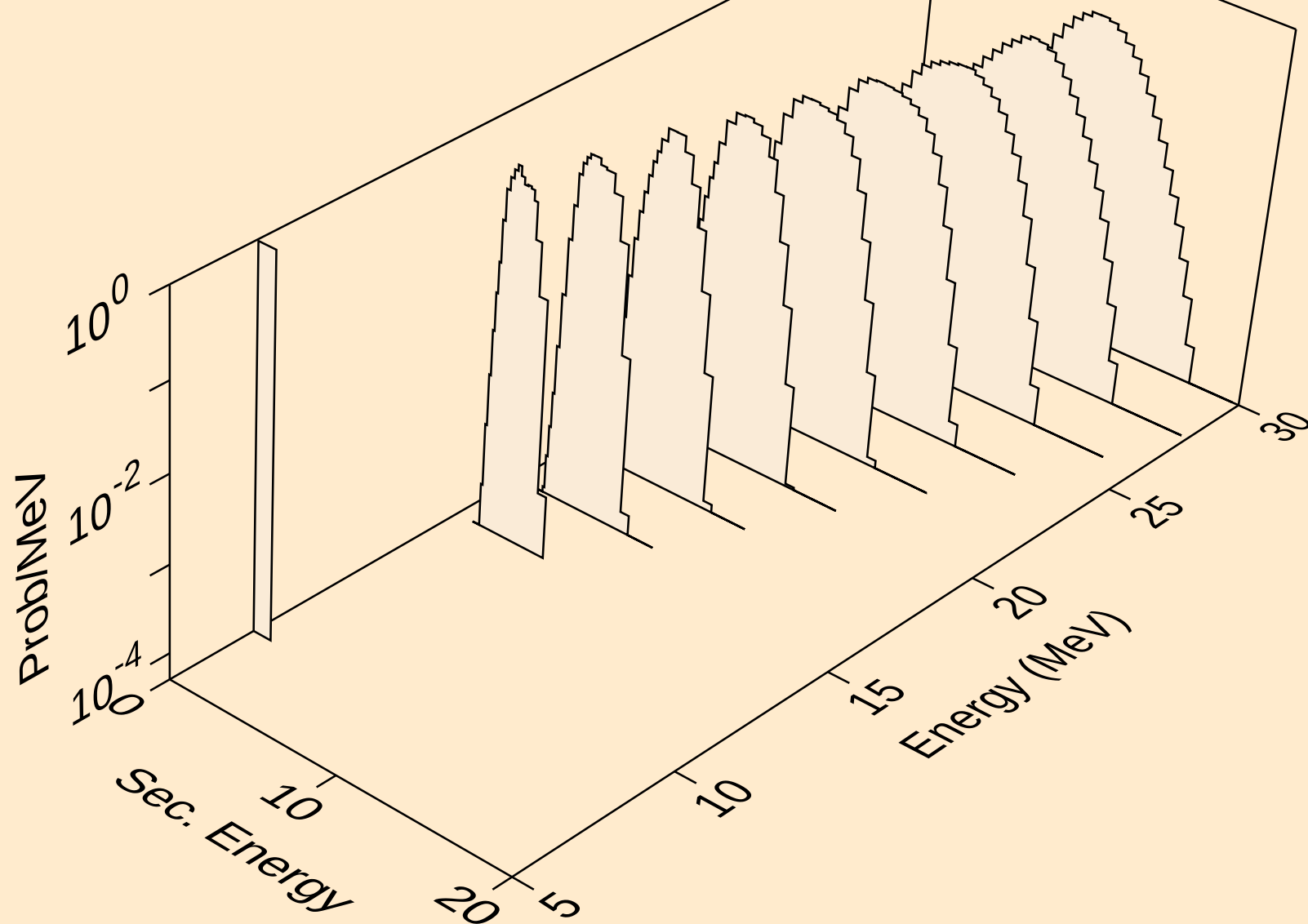
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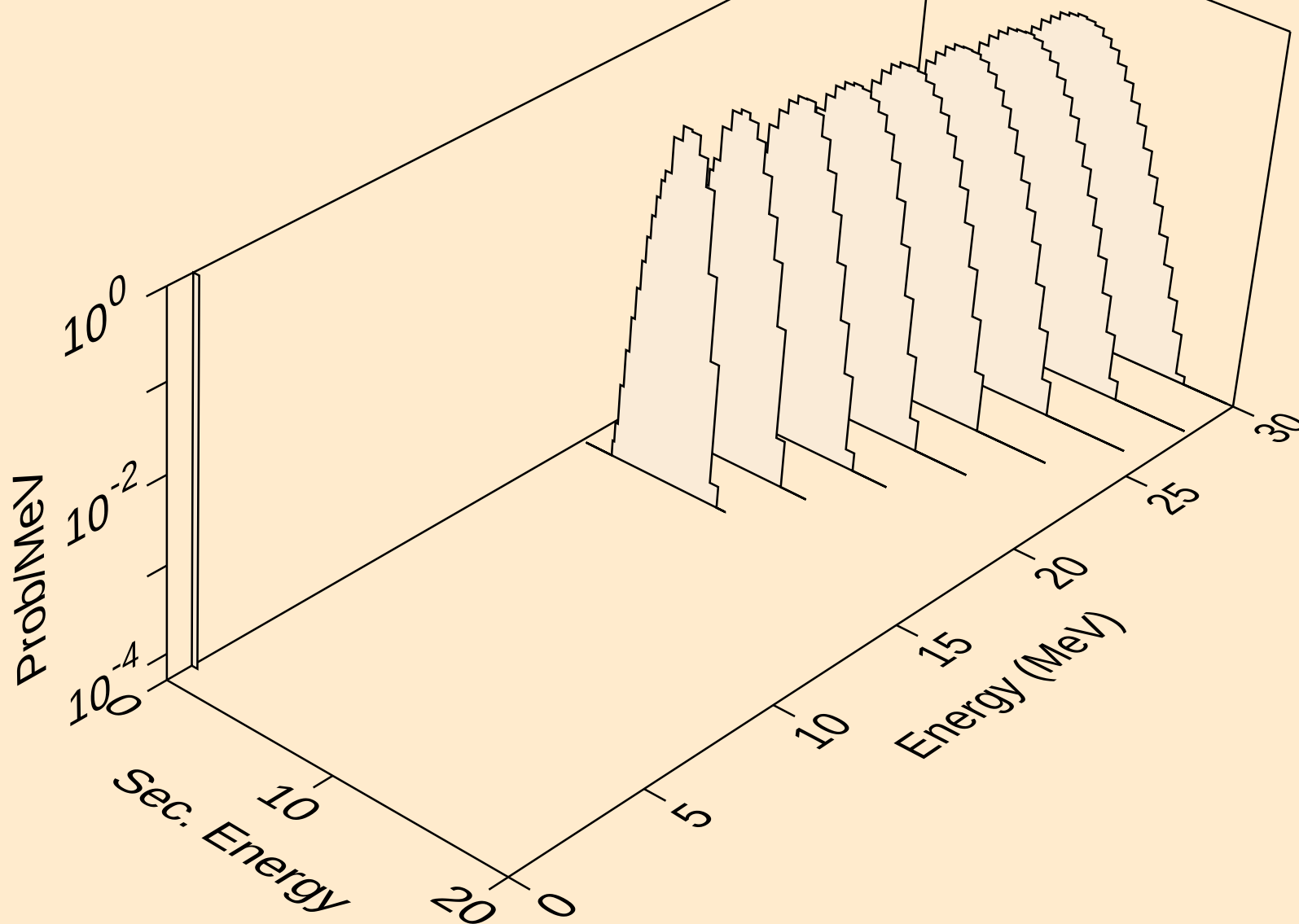
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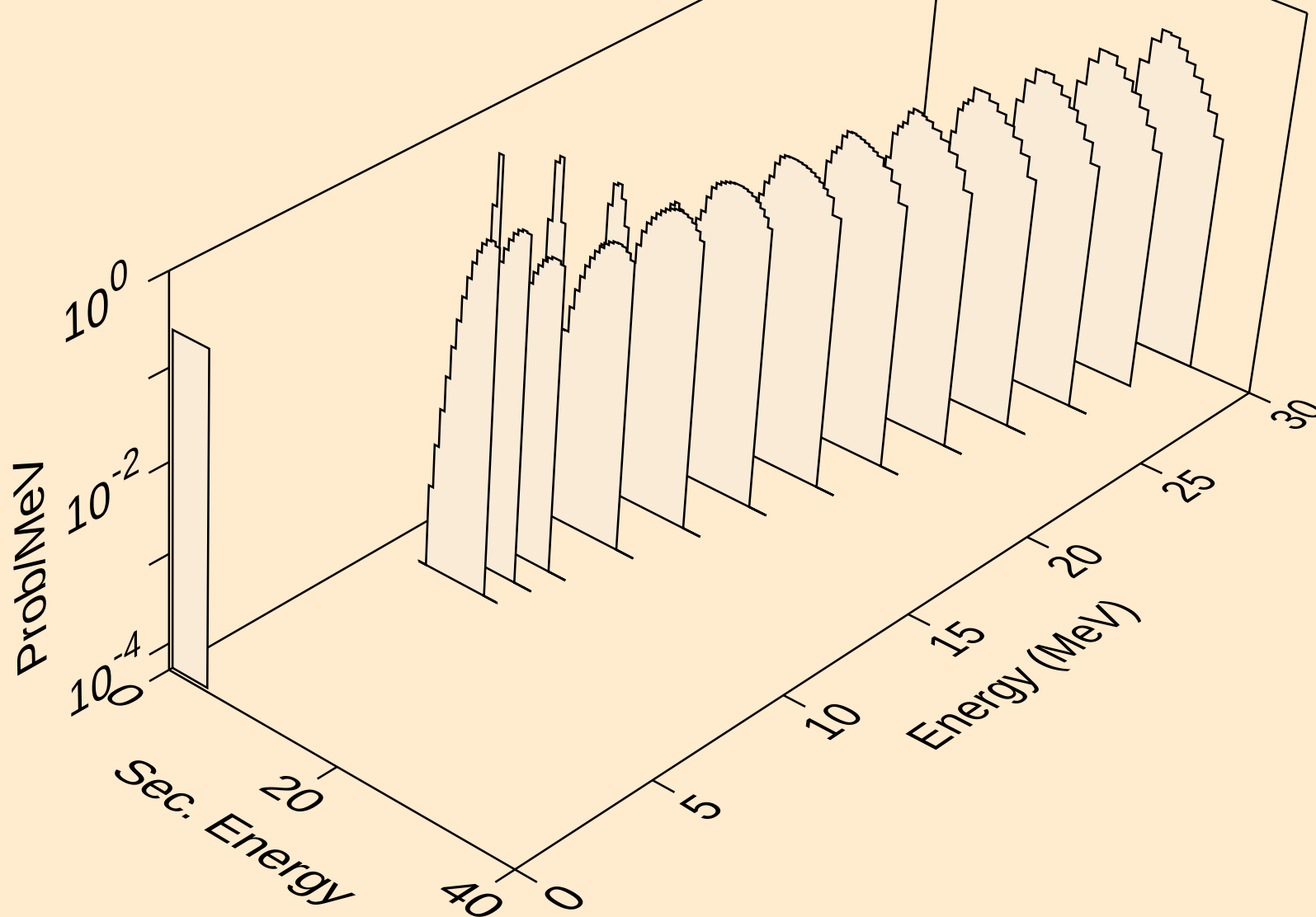
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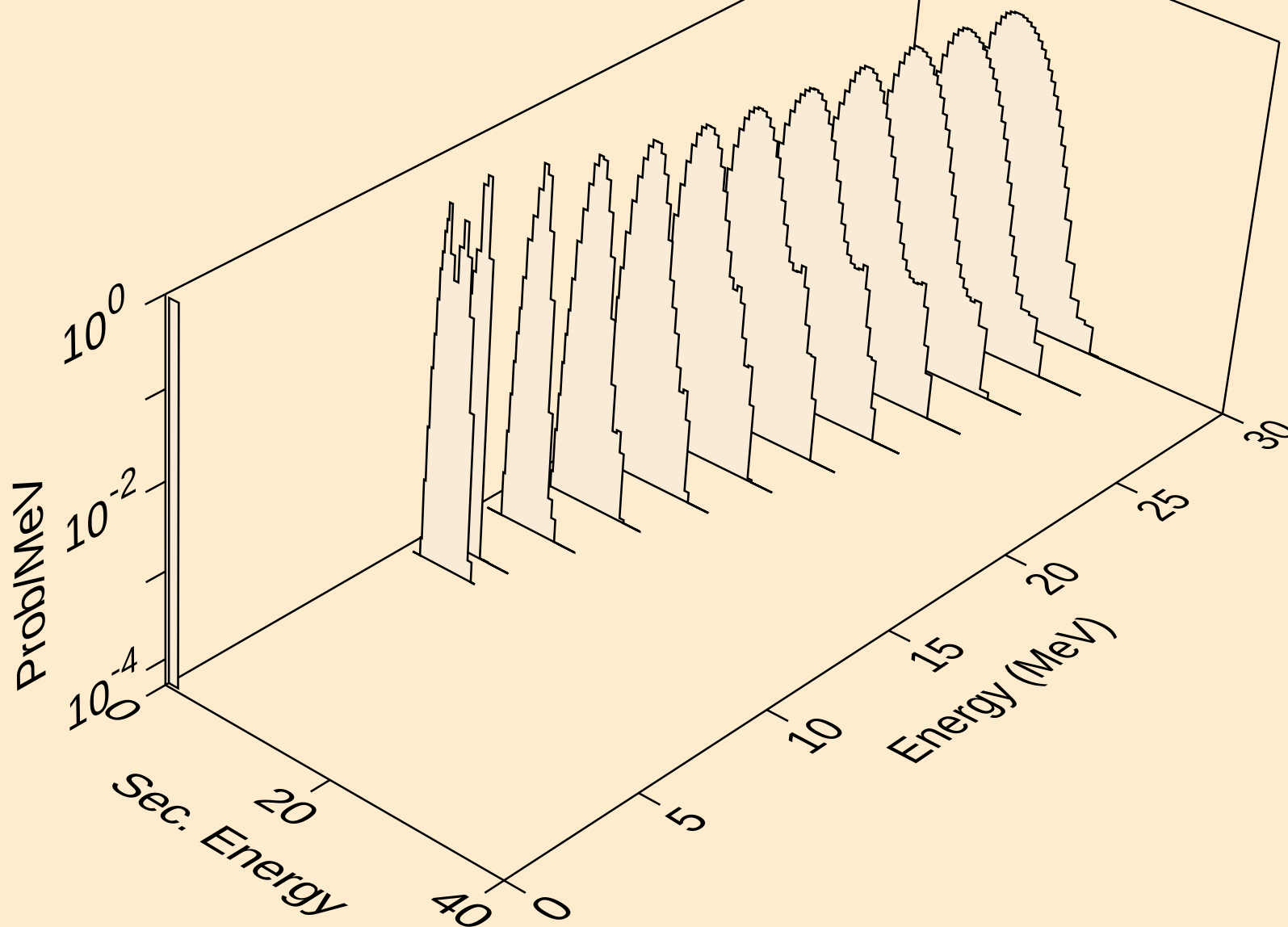
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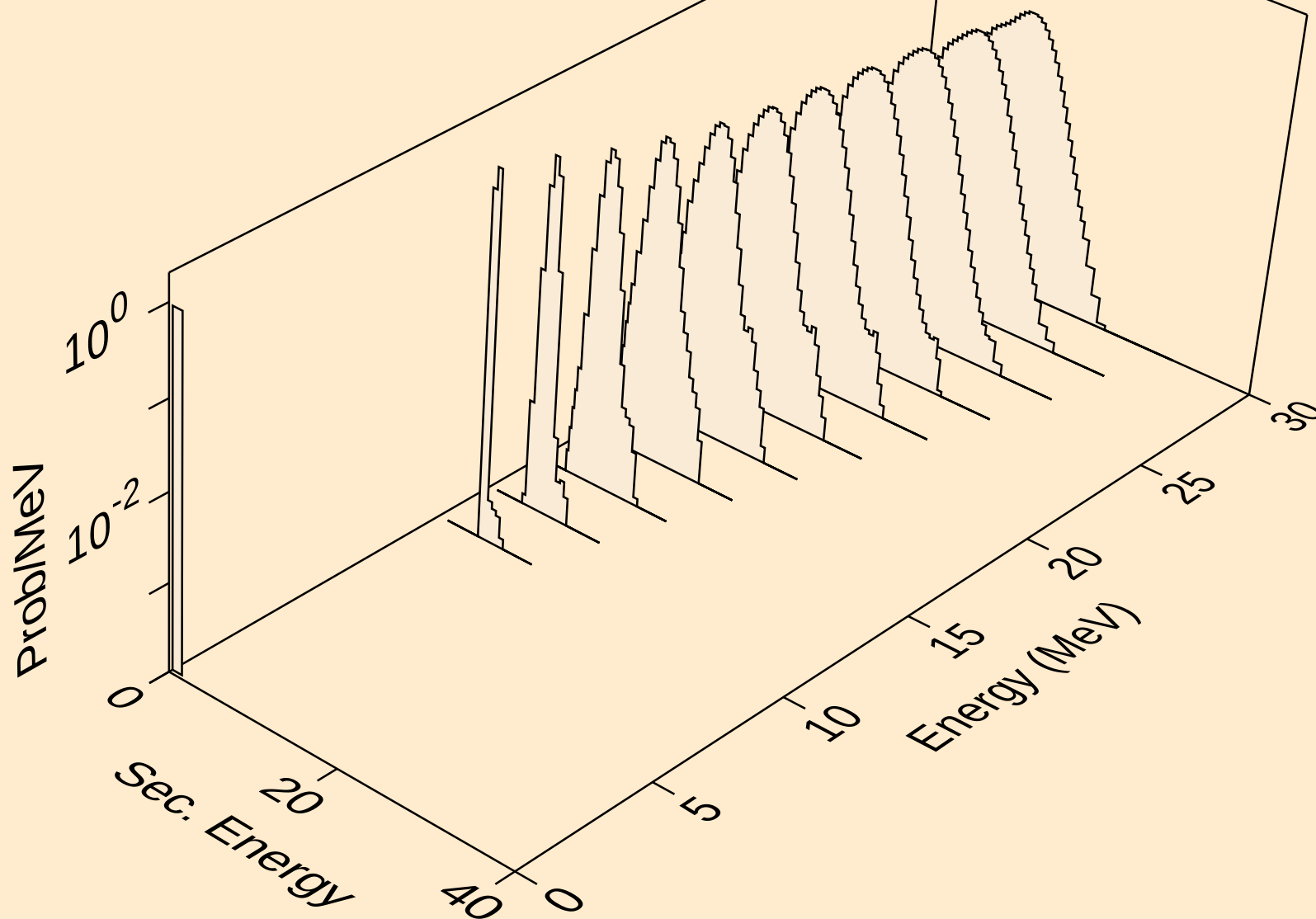
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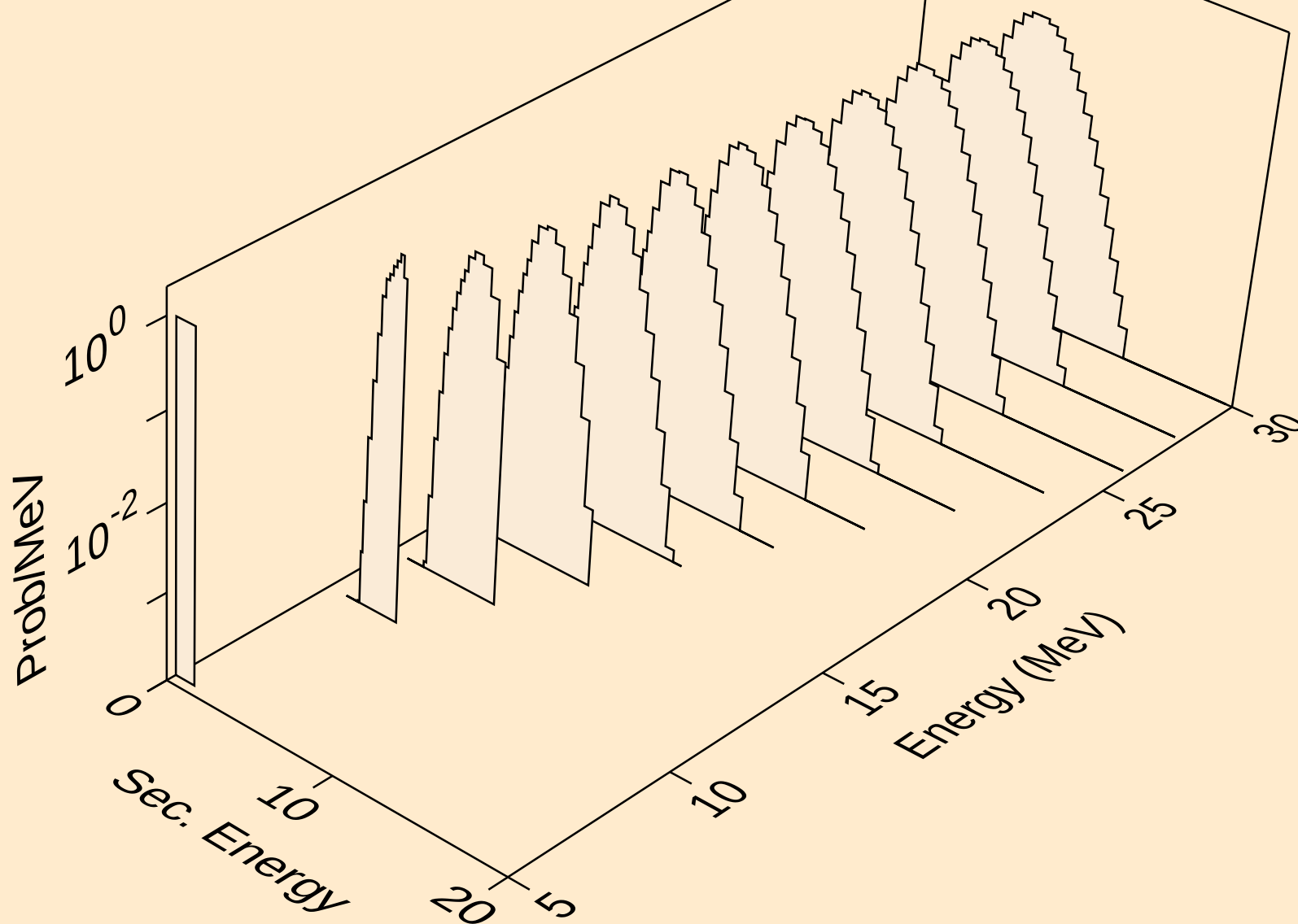
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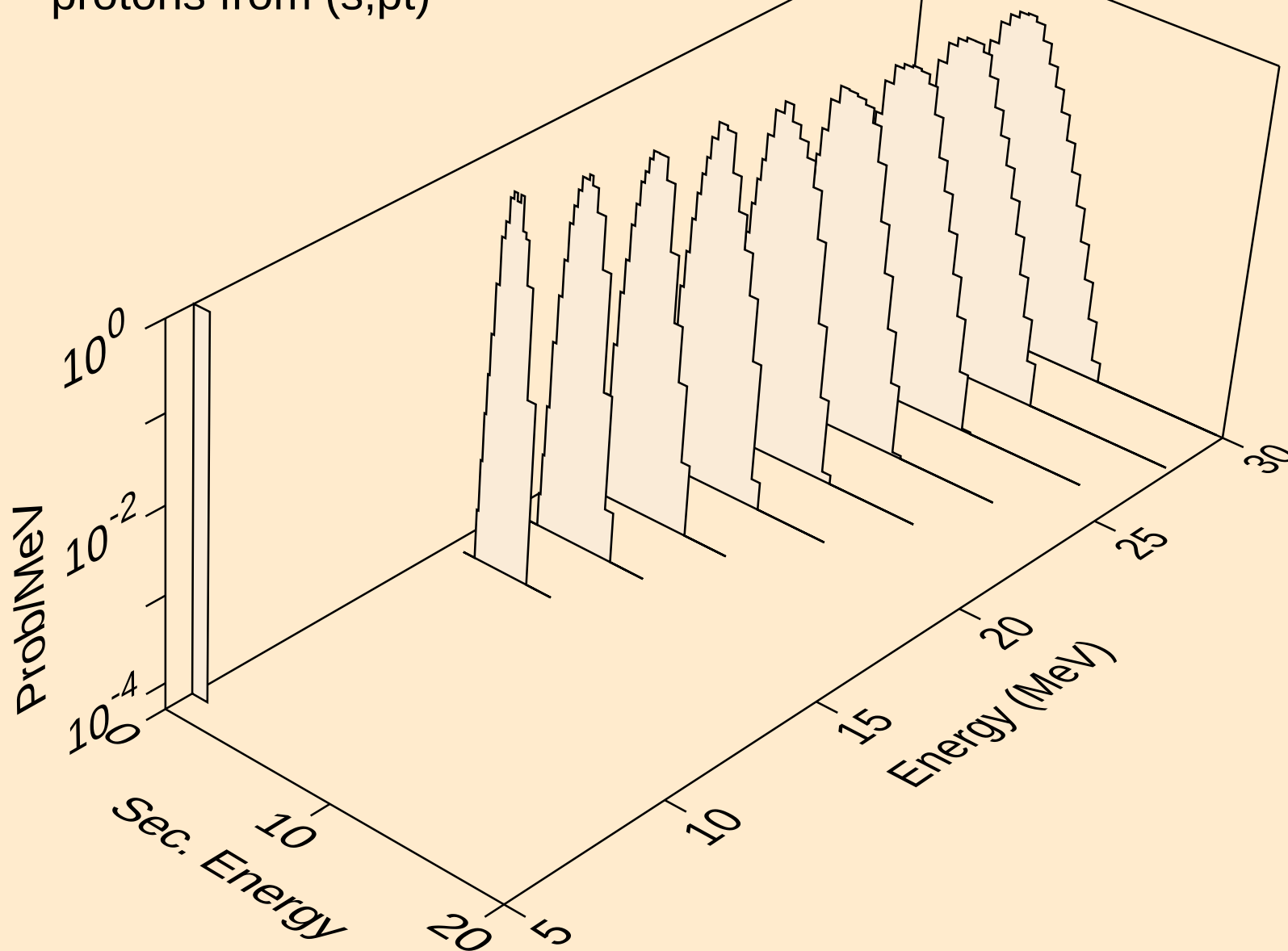
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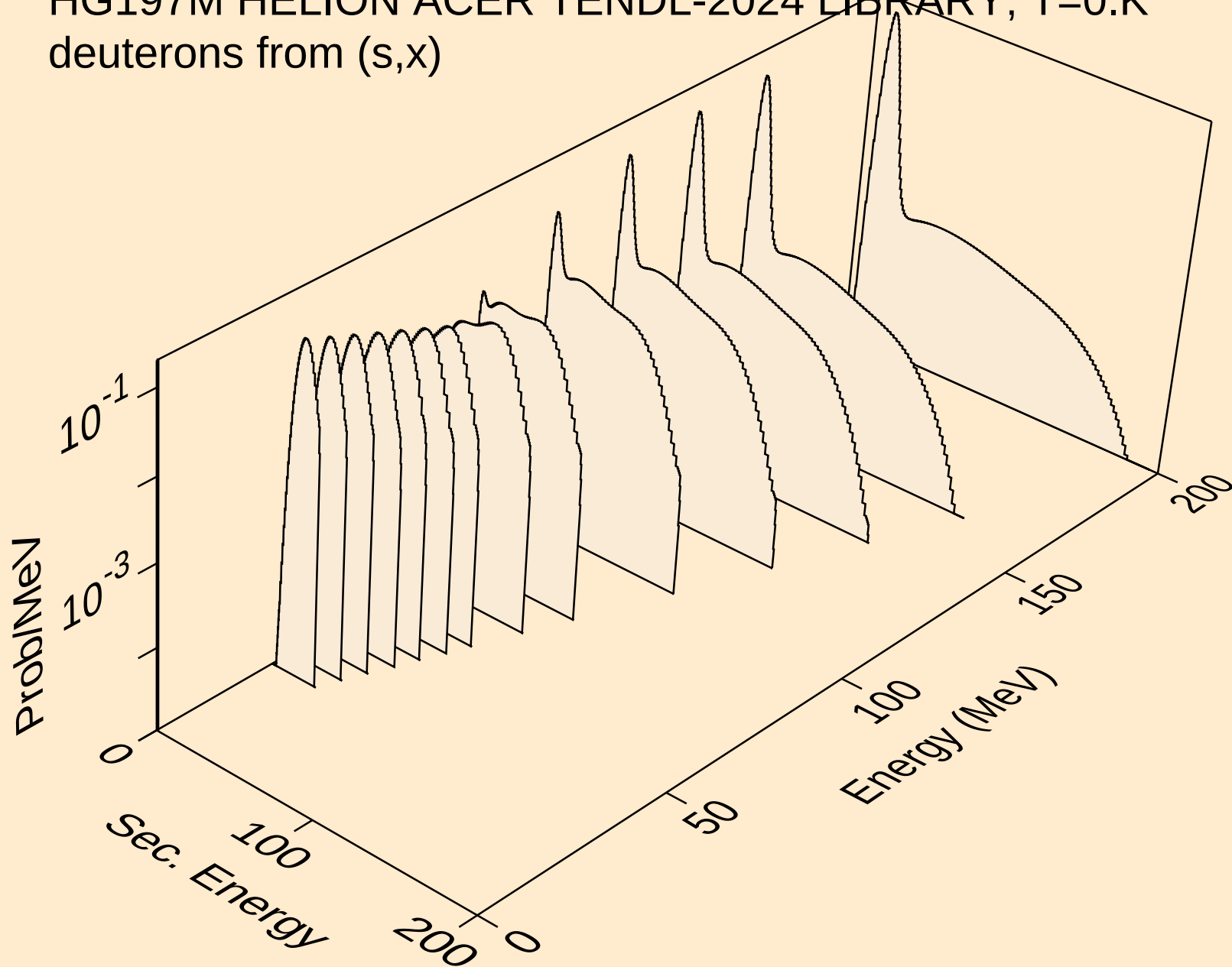
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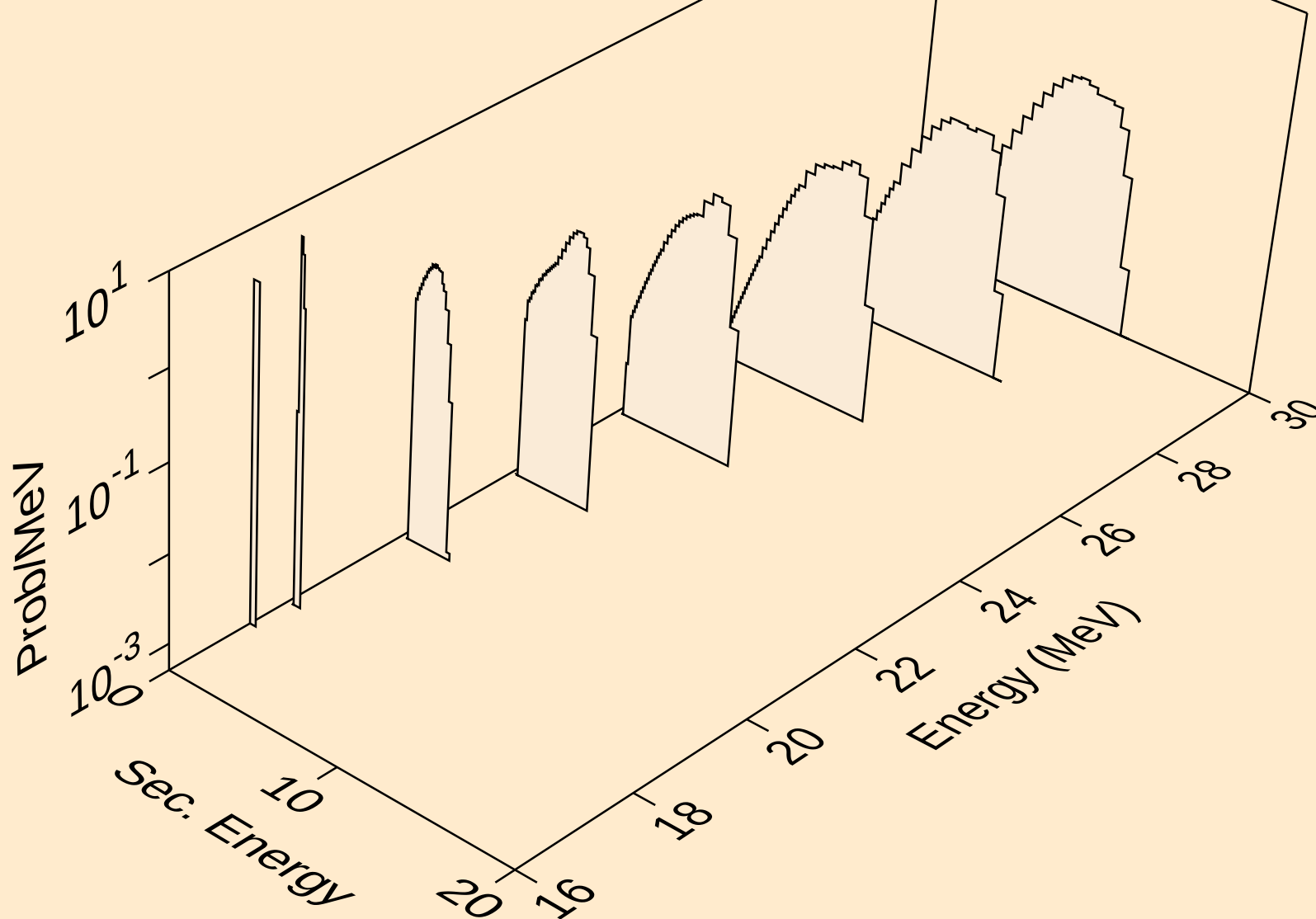
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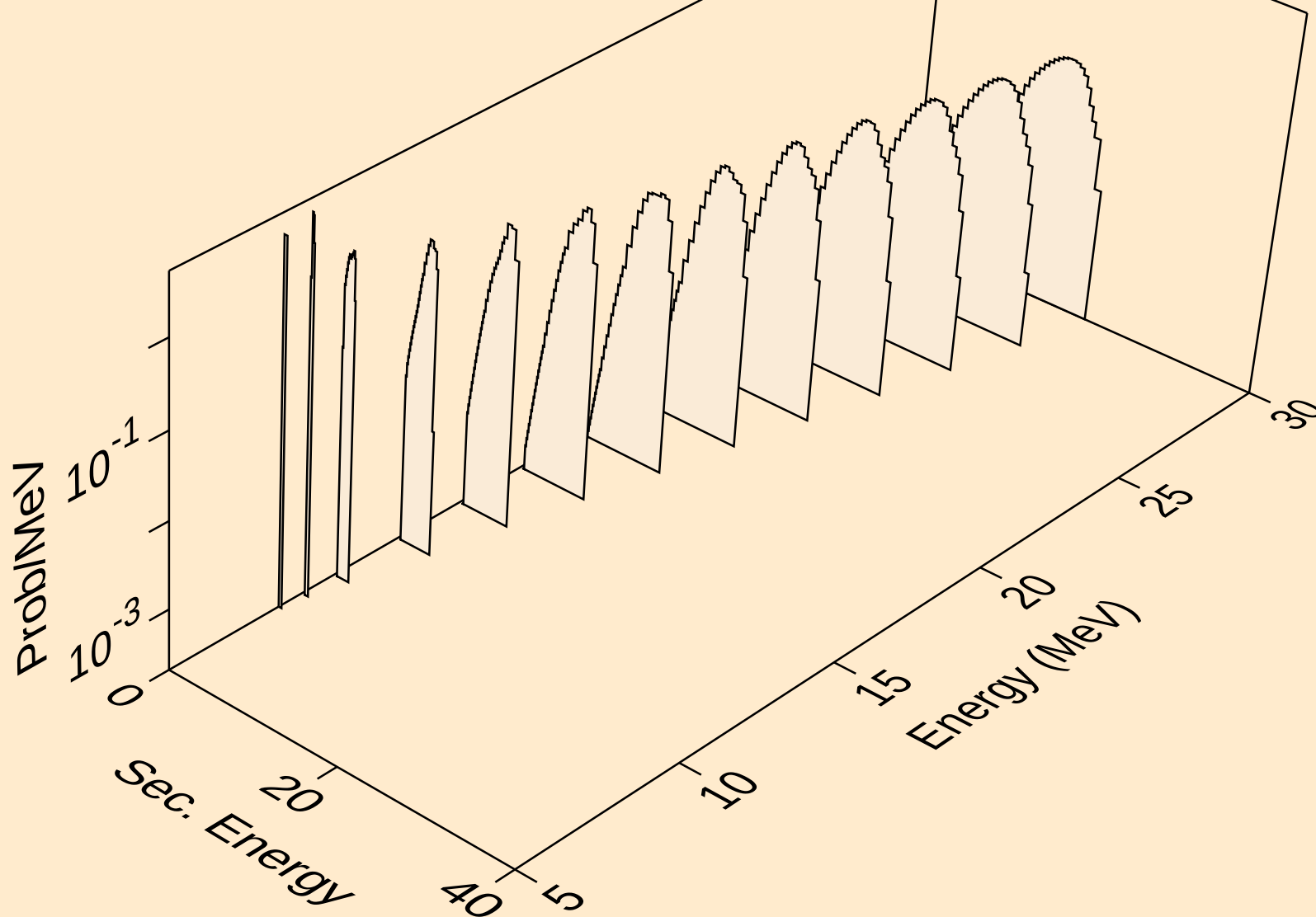
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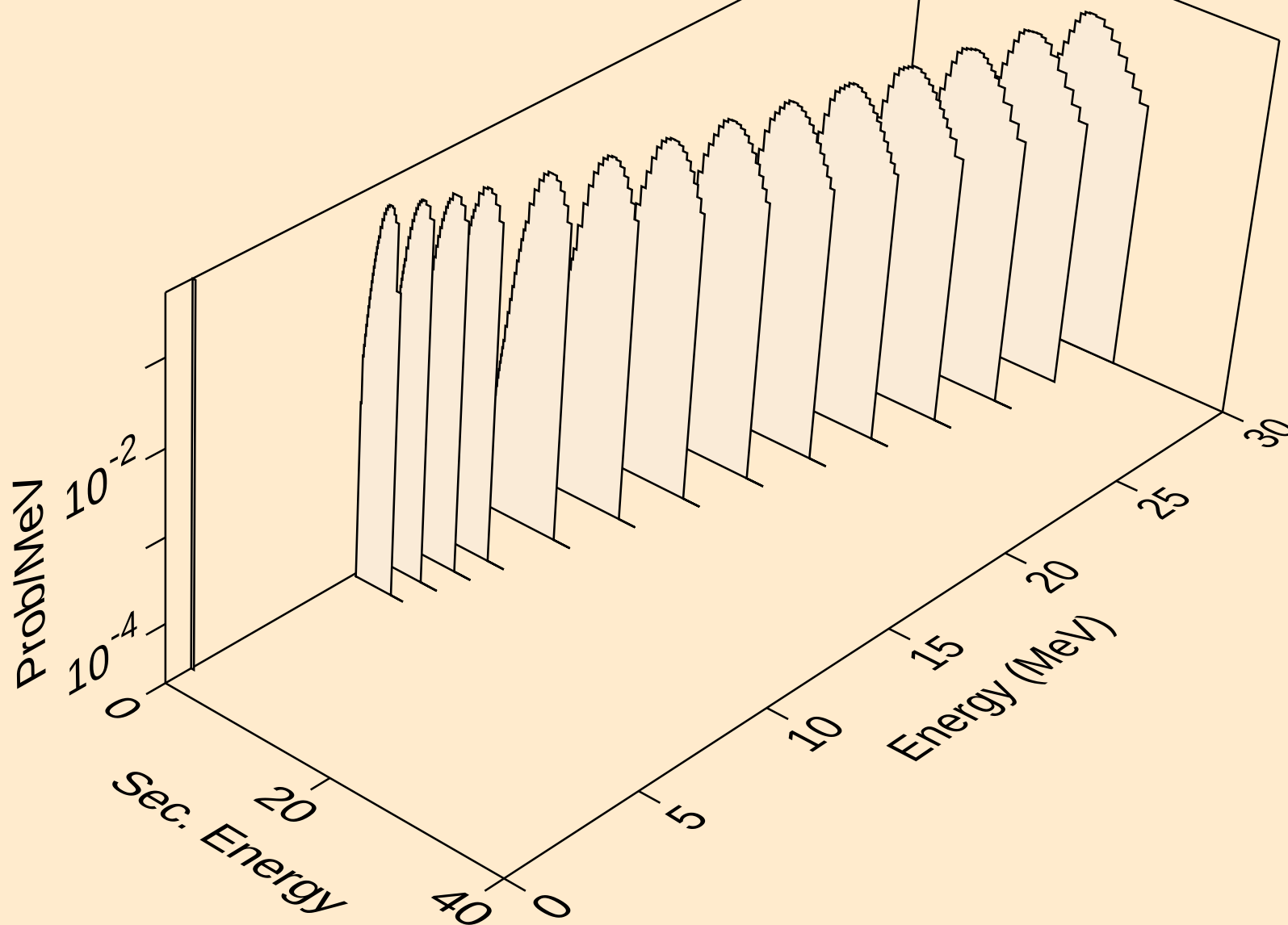
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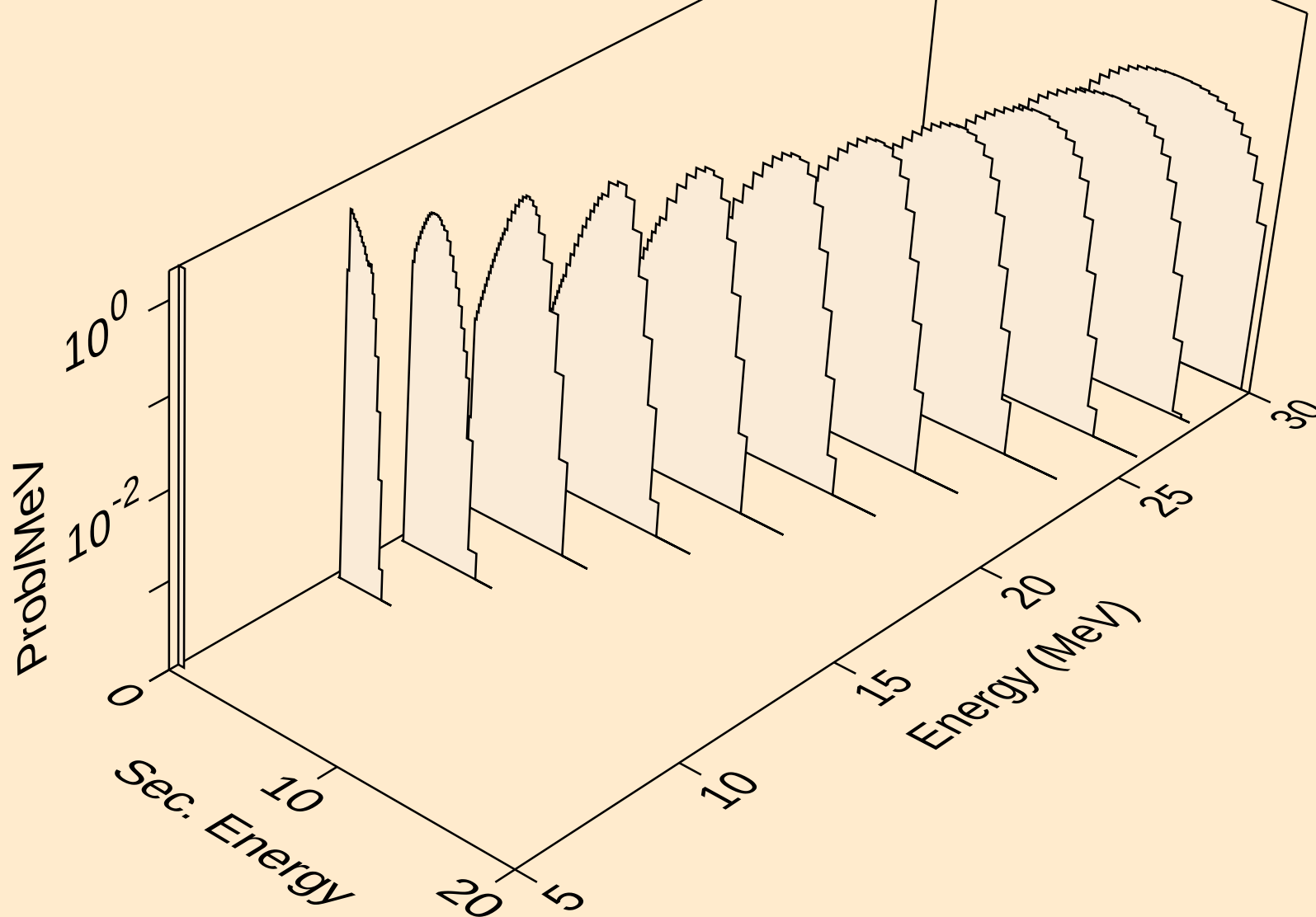
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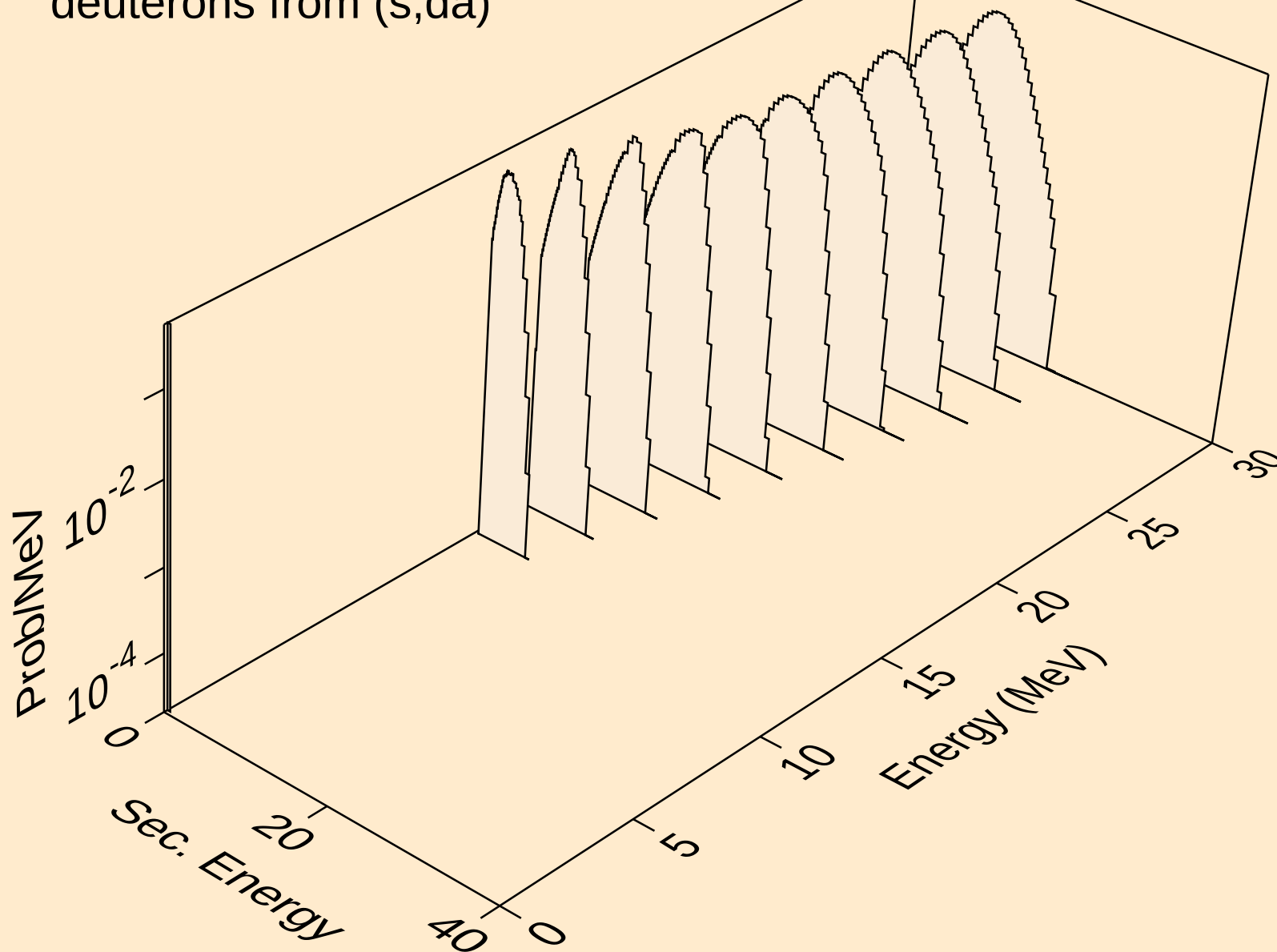
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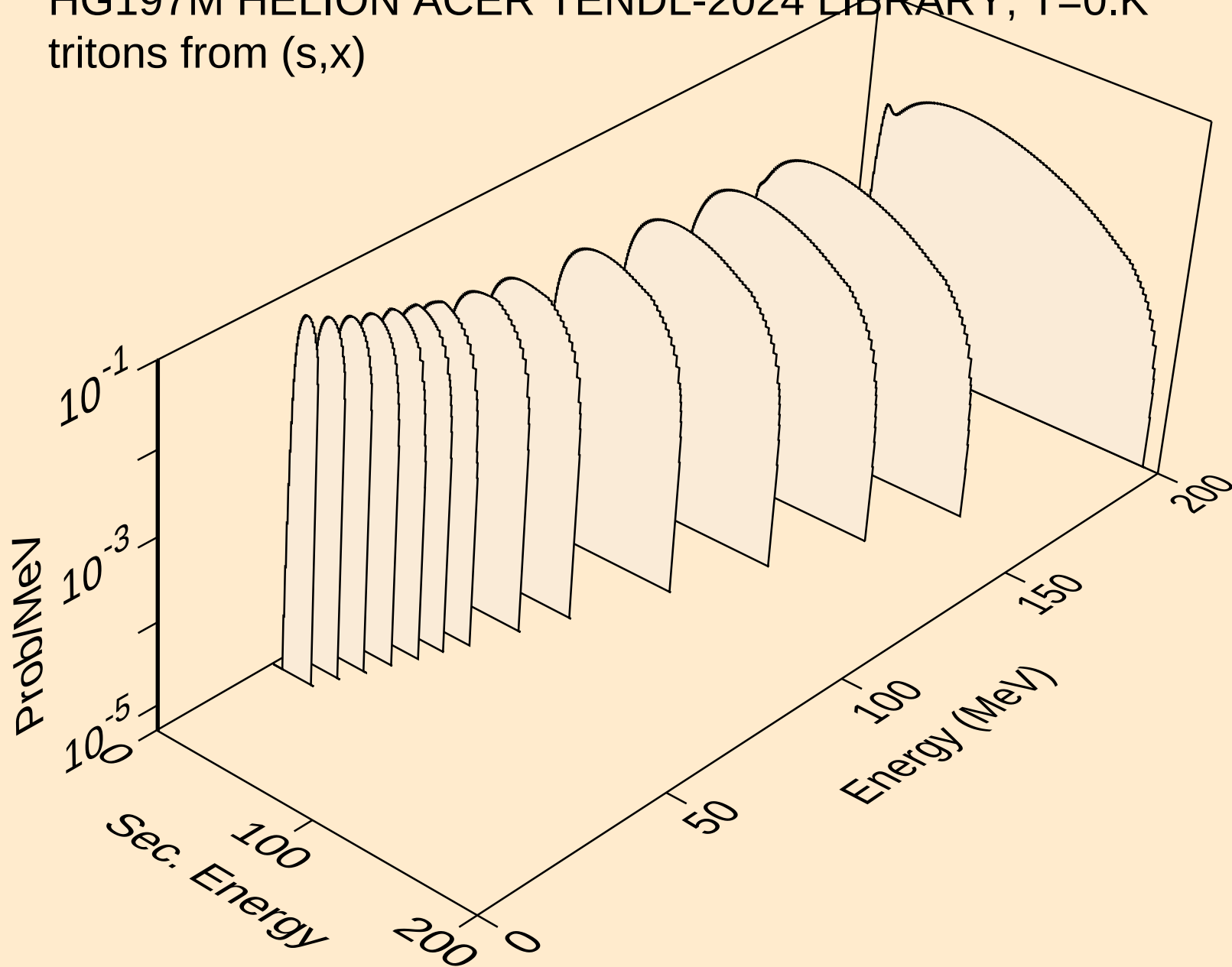
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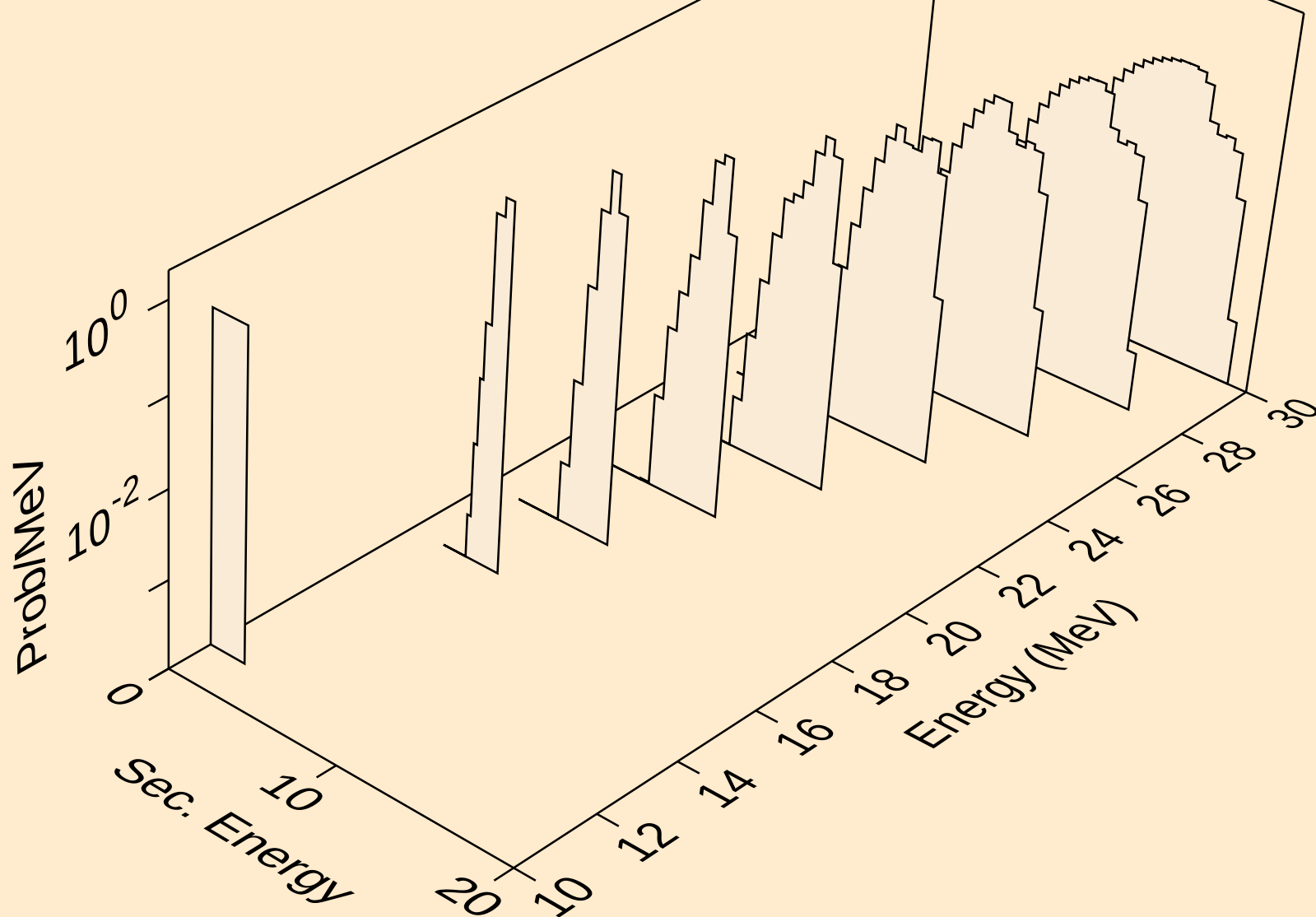
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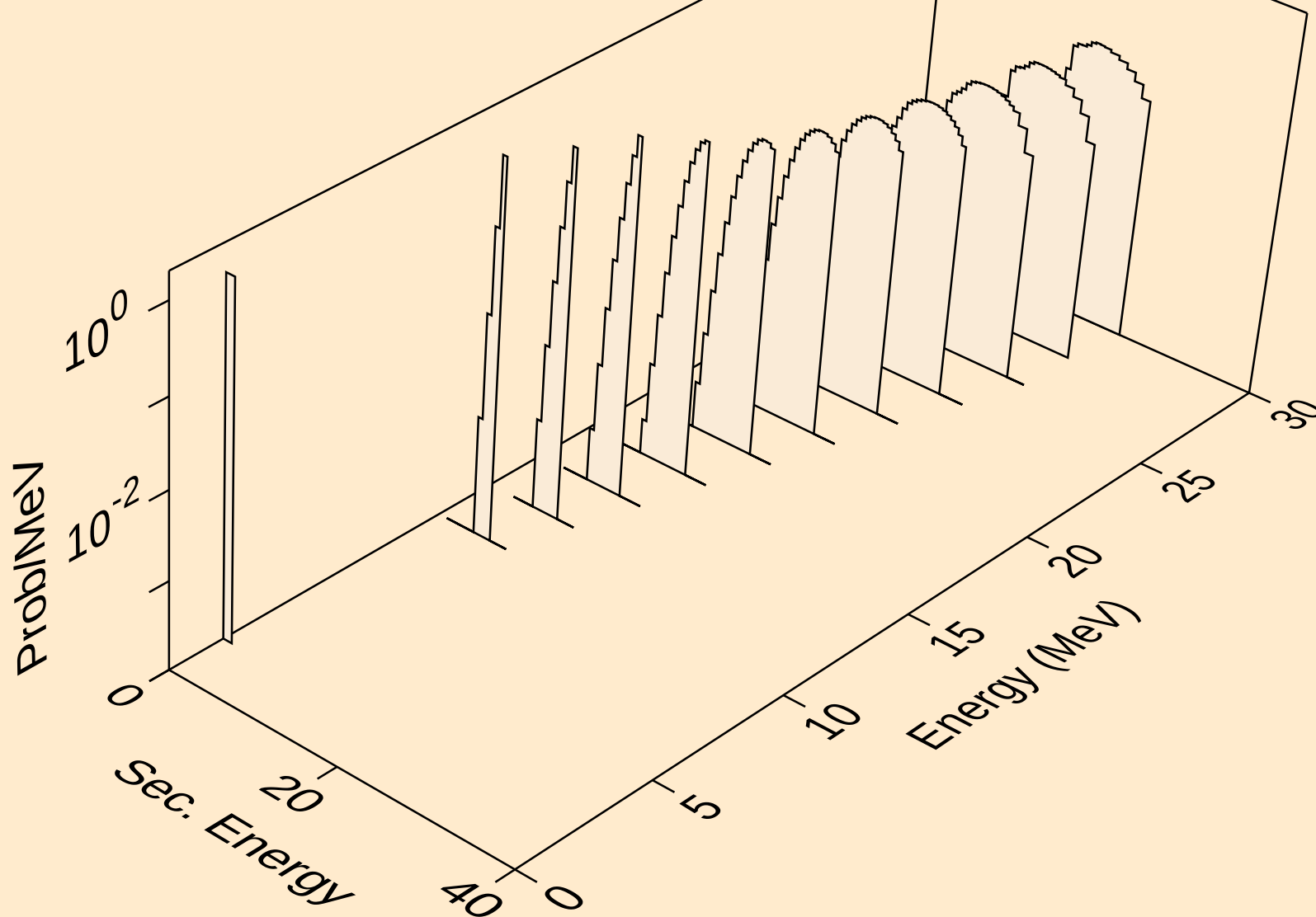
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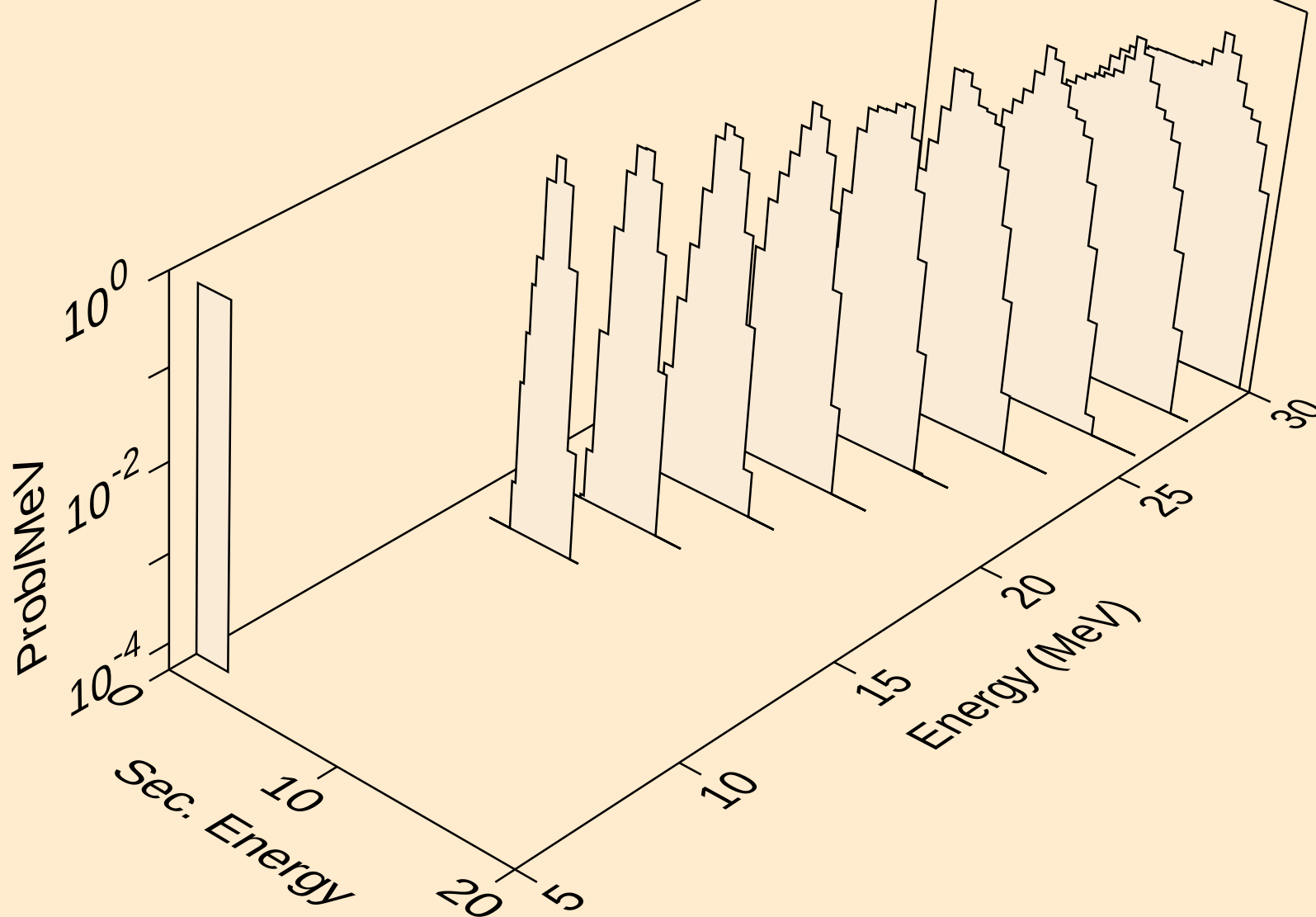
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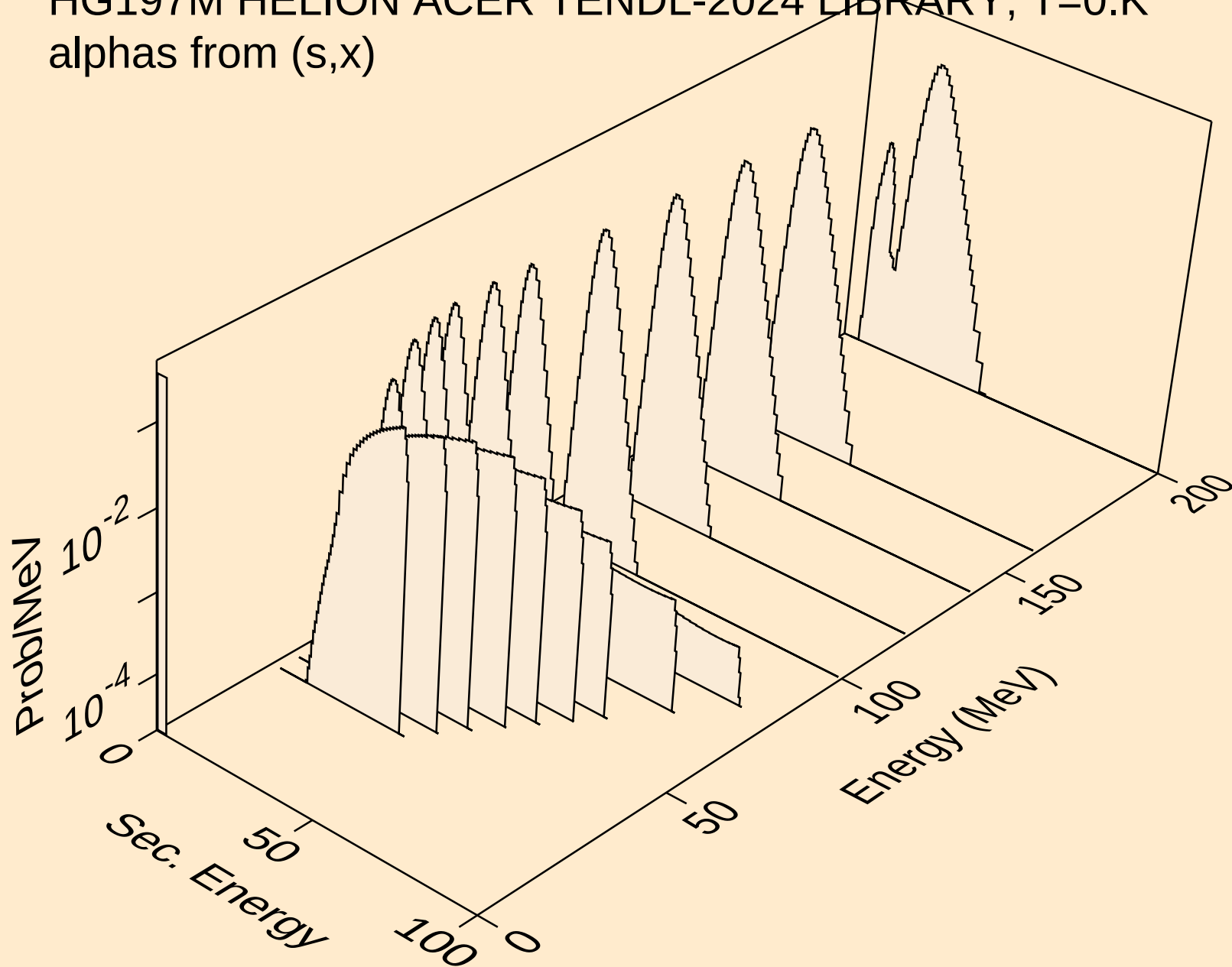
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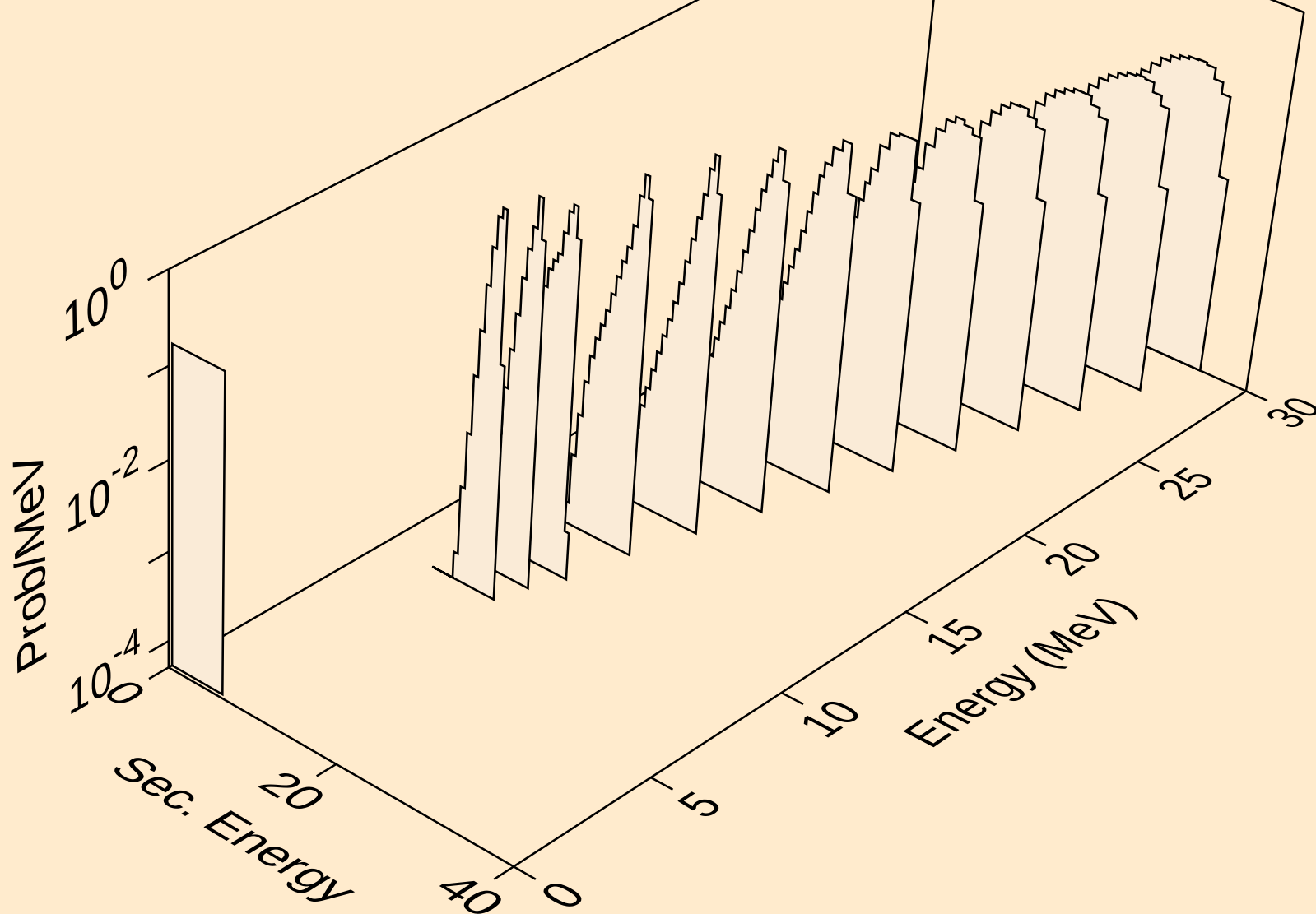
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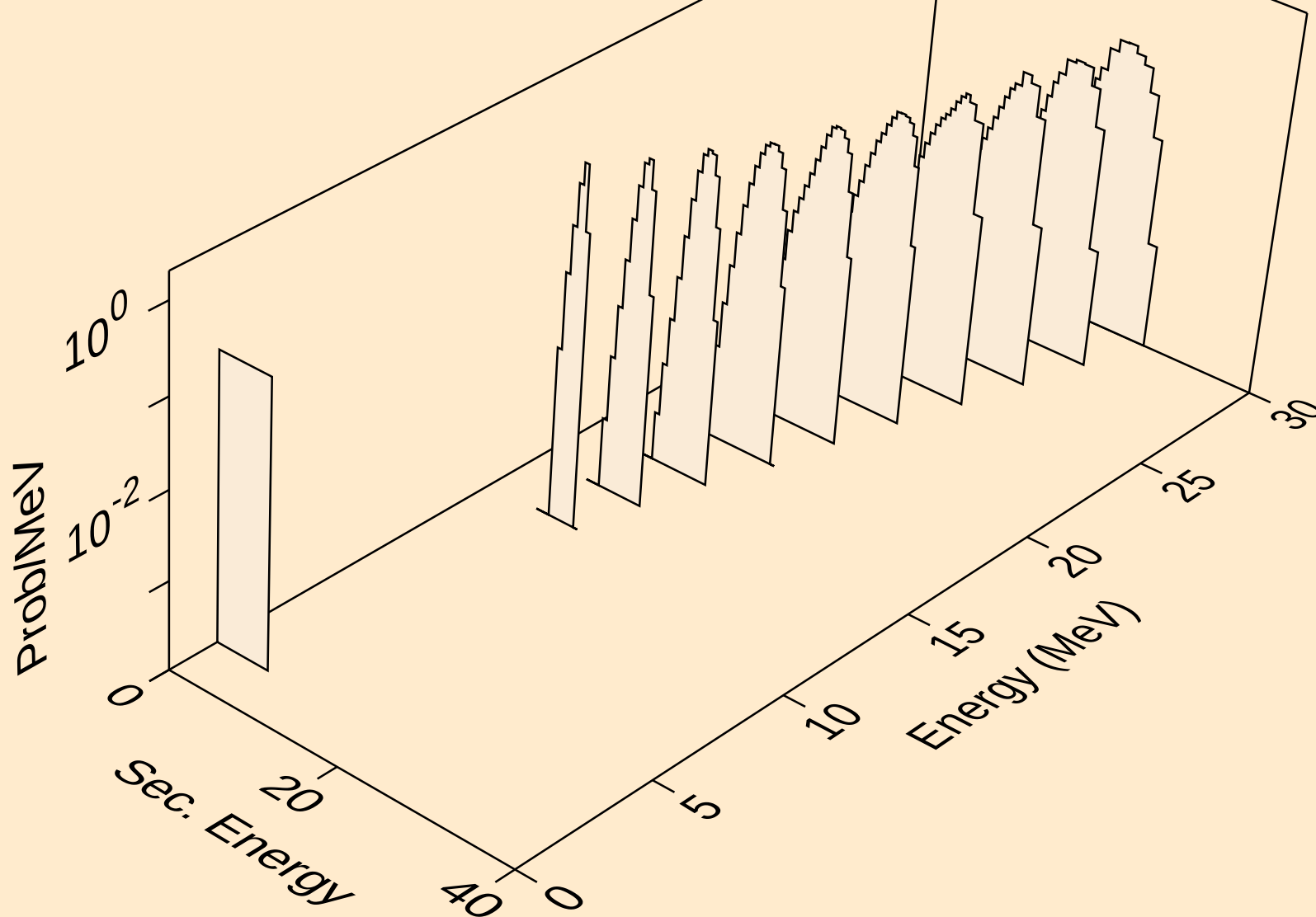
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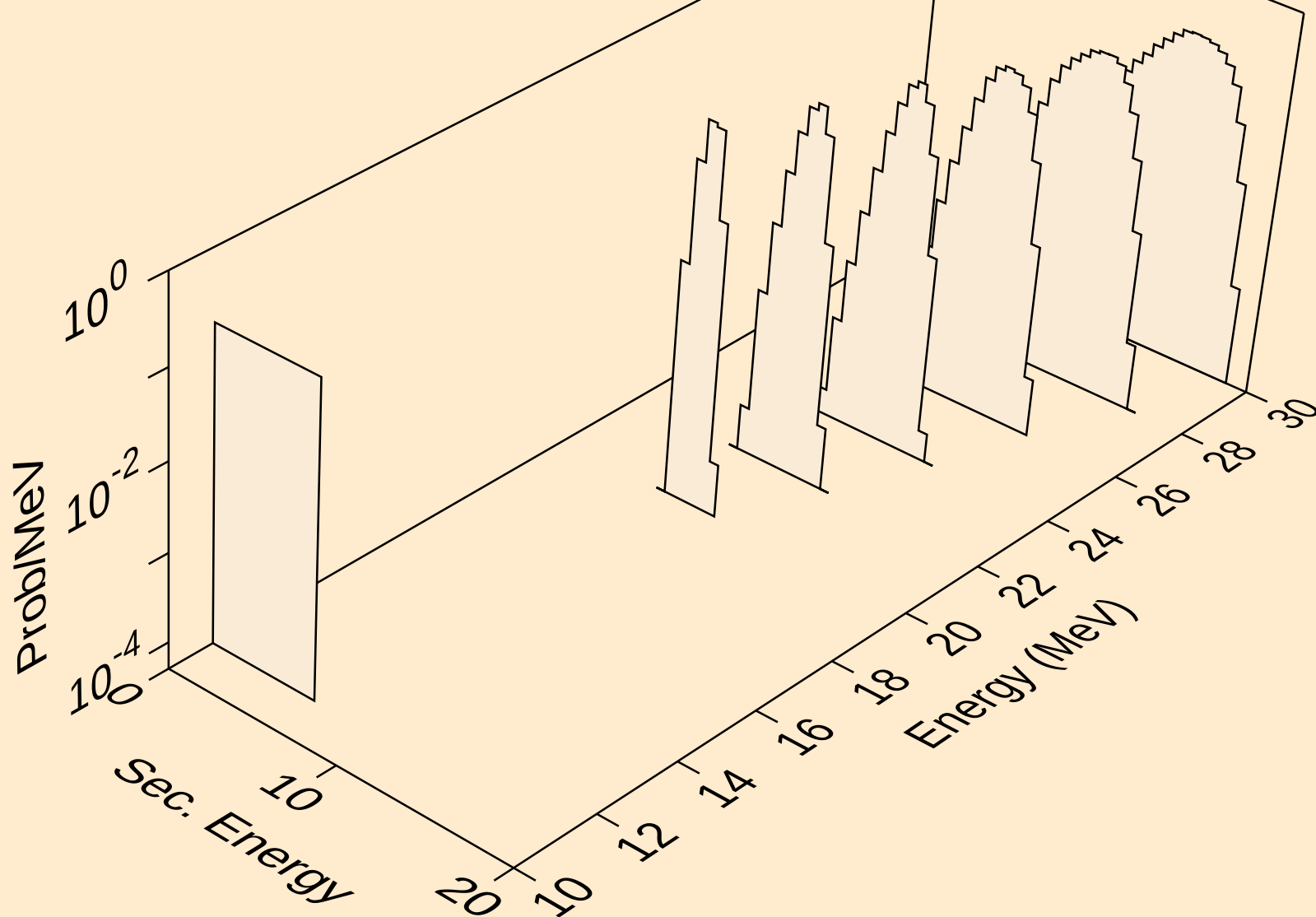
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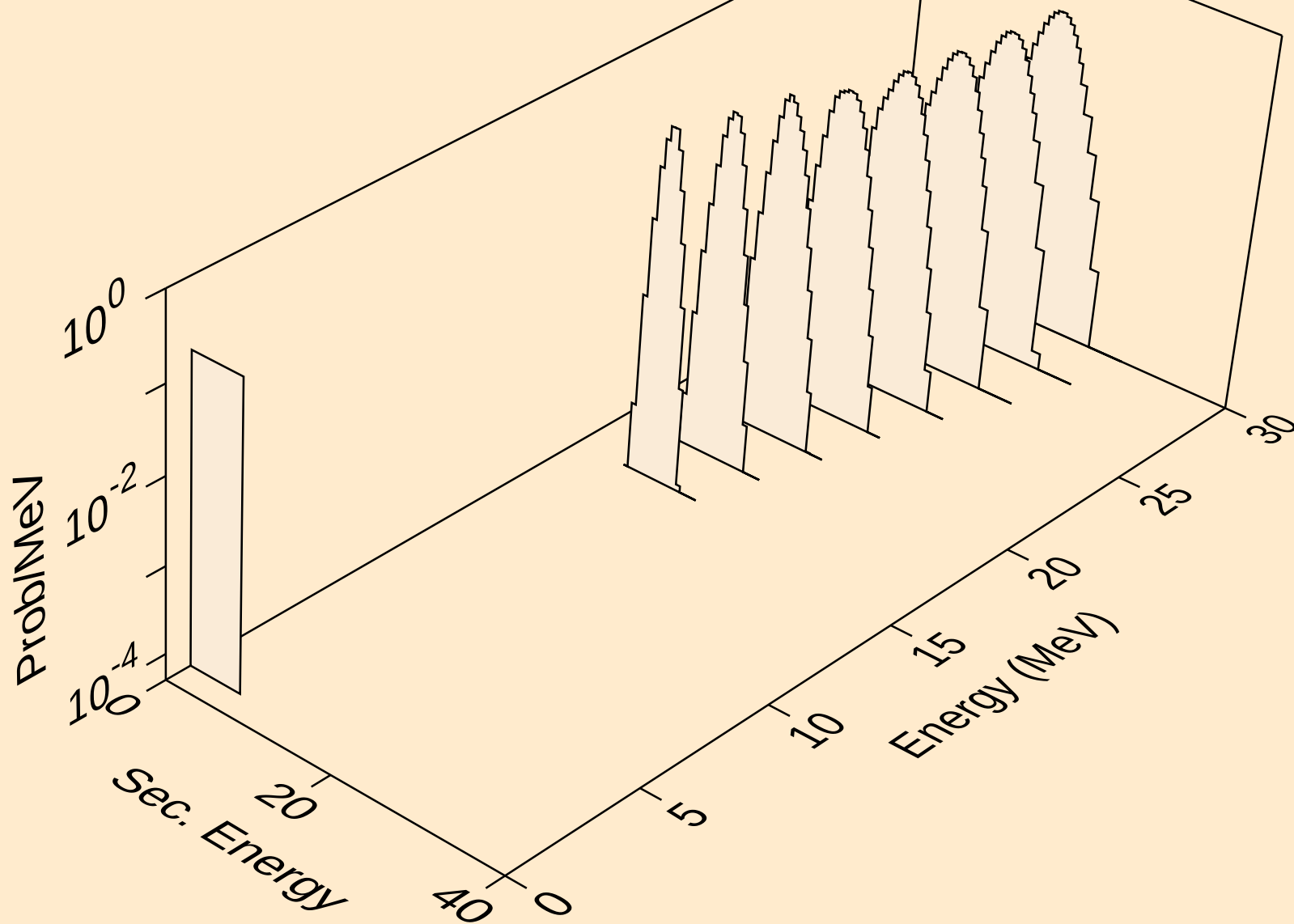
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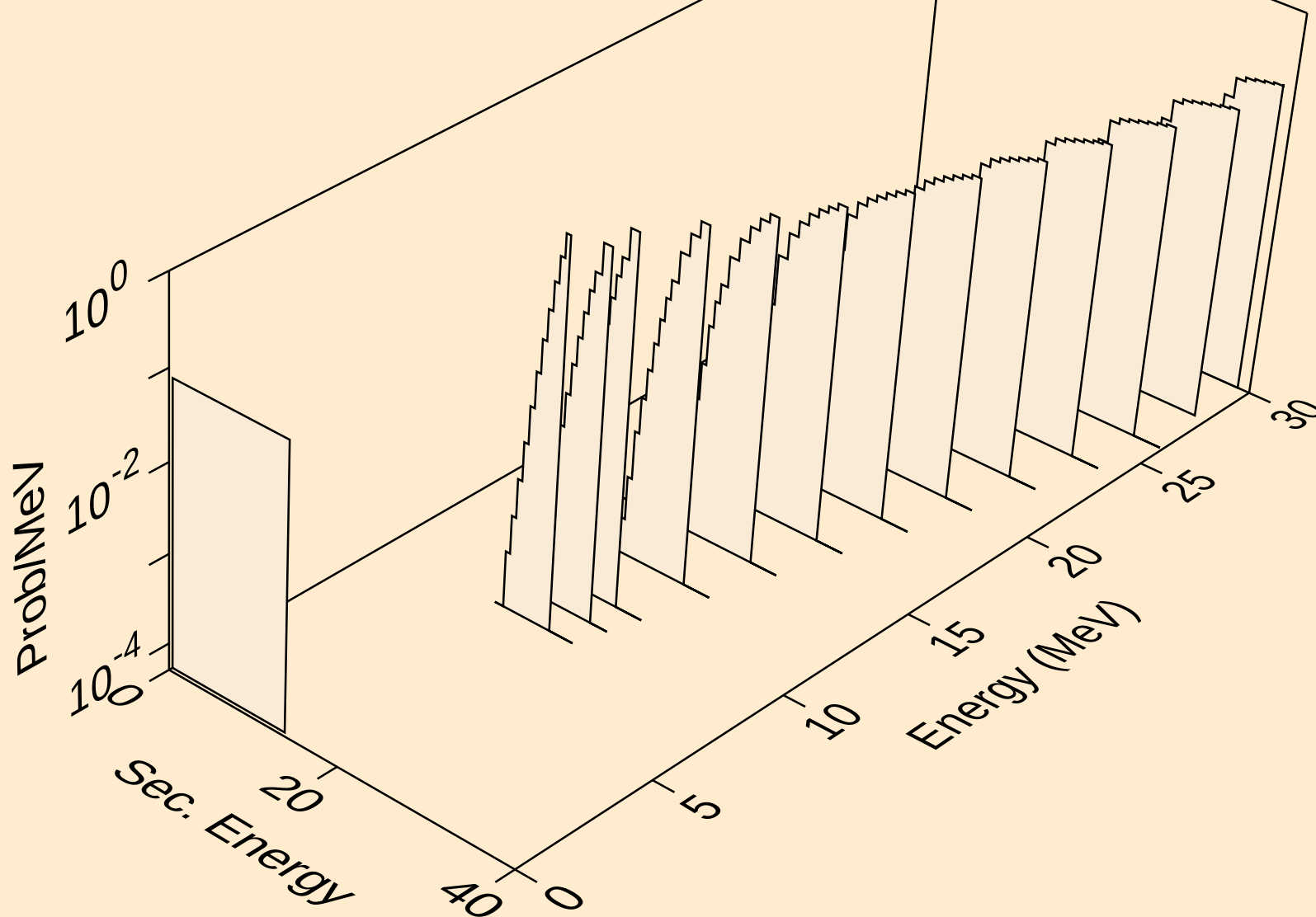
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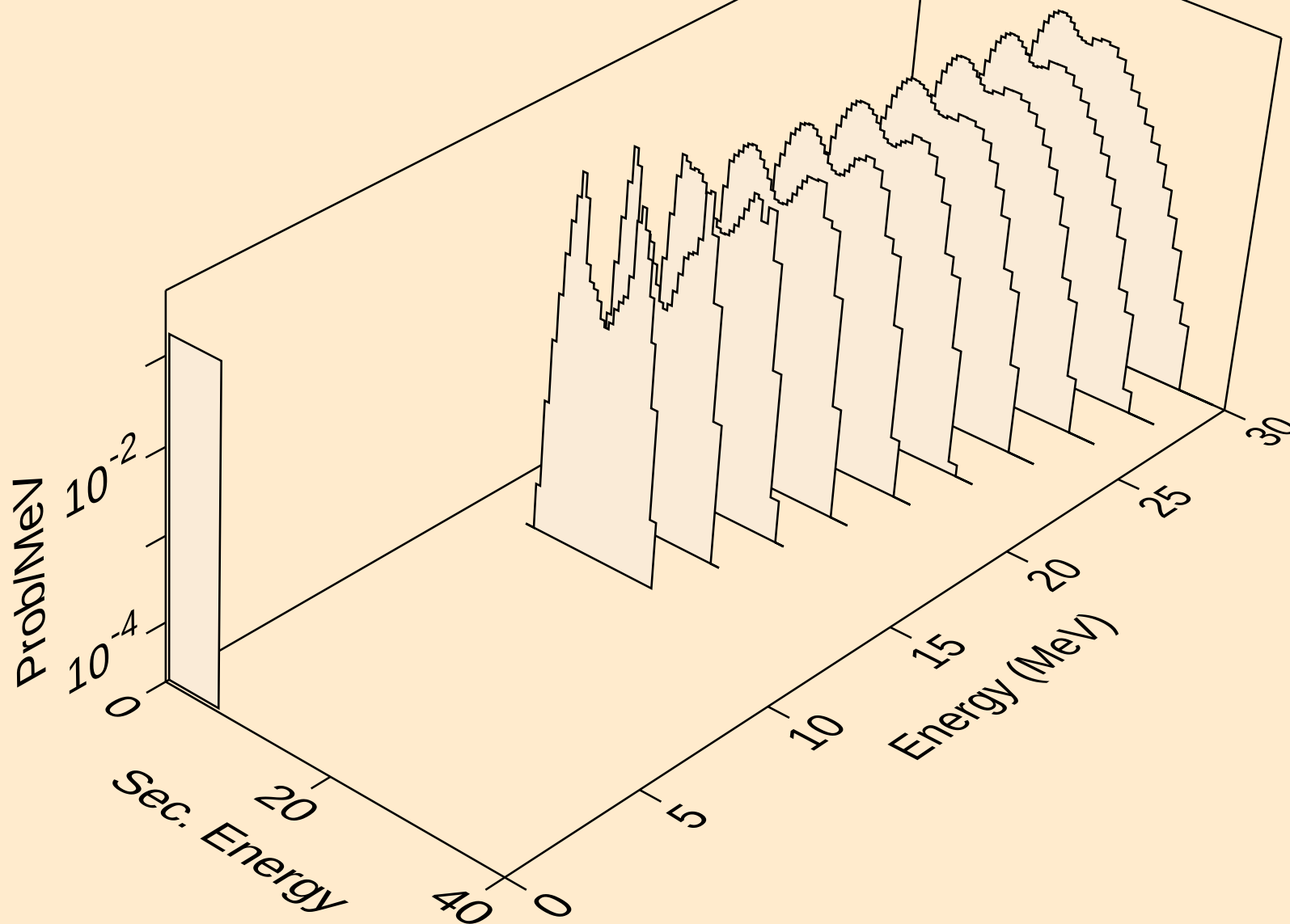
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alphas from (s,npa)



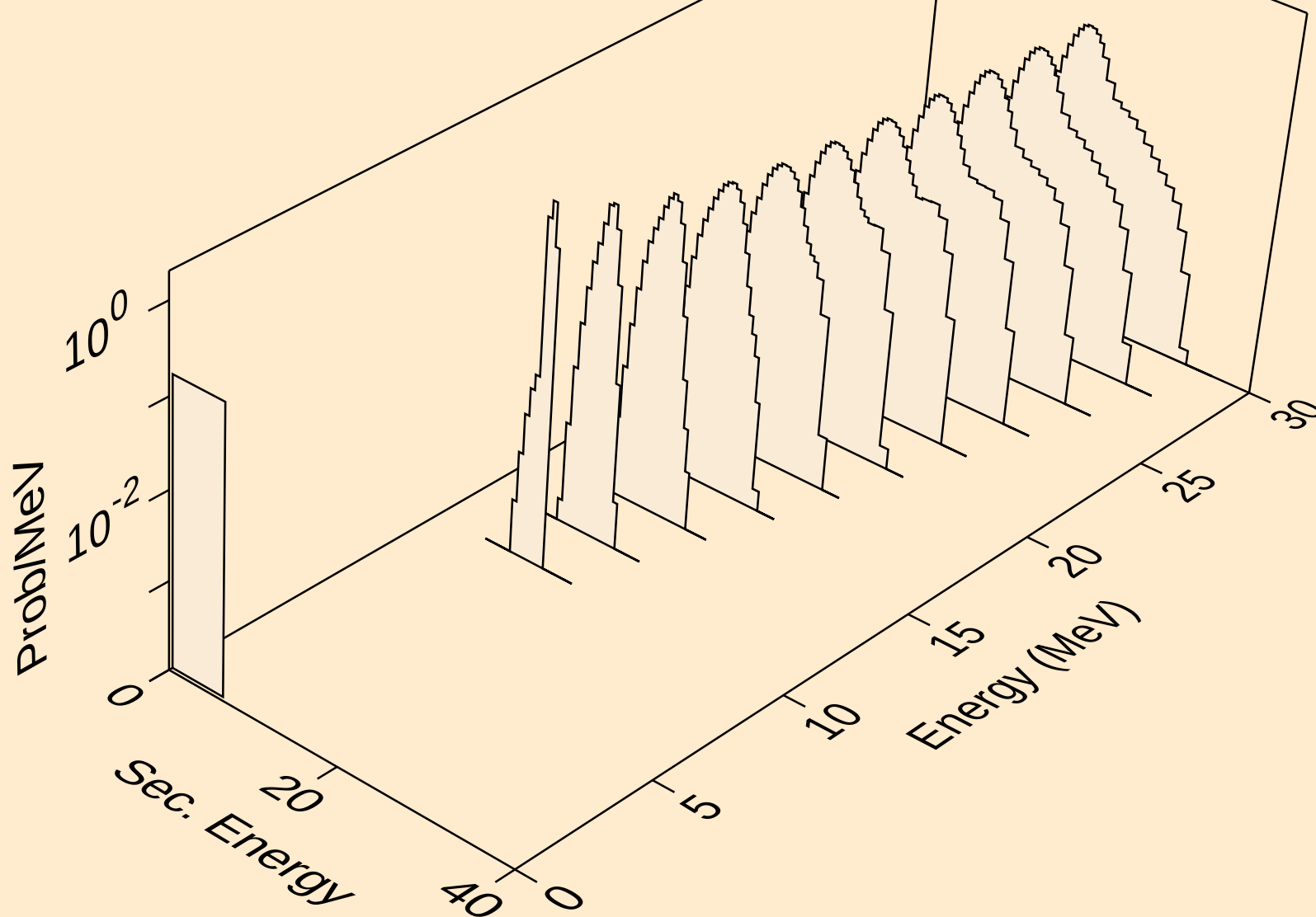
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alphas from (s,a)



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



HG197M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

